

Access Free Programming Asp
Net Core Developer Reference

Programming Asp Net Core Developer Reference

**This is the eBook of the
printed book and may not**

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Access Free Programming Asp Net Core Developer Reference

**include any media,
website access codes, or
print supplements that
may come packaged with
the bound book. Through
four complete sprints,
this book takes you**

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**through every step
needed to build brand
new cross-platform web
apps with ASP.NET Core,
and make them available
on the Internet. You
won't just master**

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**Microsoft's
revolutionary open
source ASP.NET Core
technology: you'll learn
how to integrate the
immense power of MVC,
Docker, Azure Web Apps,**

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**Visual Studio and Visual
Studio Code, C#,
JavaScript, TypeScript,
and Entity Framework.
Working through the
authors' carefully
designed sprints, you'll**

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**start with a blank
canvas, move through
software architecture
and design, adjusting to
user feedback,
recovering from
mistakes, builds,**

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**testing, deployment,
maintenance,
refactoring, and more.
Along the way, you'll
learn techniques for
delivering state-of-the-
art software to users**

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**more rapidly and
repeatably than ever
before.**

**Summary .NET Core in
Action shows .NET
developers how to build
professional software**

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**applications with .NET
Core. Learn how to
convert existing .NET
code to work on multiple
platforms or how to
start new projects with
knowledge of the tools**

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**and capabilities of .NET
Core. Purchase of the
print book includes a
free eBook in PDF,
Kindle, and ePub formats
from Manning
Publications. About the**

Access Free Programming Asp Net Core Developer Reference

Technology .NET Core is an open source framework that lets you write and run .NET applications on Linux and Mac, without giving up on Windows. Built for everything

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**from lightweight web
apps to industrial-
strength distributed
systems, it's perfect
for deploying .NET
servers to any cloud
platform, including AWS**

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**and GCP. About the Book
.NET Core in Action
introduces you to cross-
platform development
with .NET Core. This
hands-on guide
concentrates on new Core**

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features as you walk through familiar tasks like testing, logging, data access, and networking. As you go, you'll explore modern architectures like

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microservices and cloud data storage, along with practical matters like performance profiling, localization, and signing assemblies.

What's Inside Choosing

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**the right tools Testing,
profiling, and debugging
Interacting with web
services Converting
existing projects to
.NET Core Creating and
using NuGet packages**

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**About the Reader All
examples are in C#.**

**About the Author Dustin
Metzgar is a seasoned
developer and architect
involved in numerous
.NET Core projects.**

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**Dustin works for
Microsoft. Table of
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Building your first .NET
Core applications How to
build with .NET Core
Unit testing with xUnit**

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**Working with relational
databases Simplify data
access with object-
relational mappers
Creating a microservice
Debugging Performance
and profiling Building**

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world-ready applications
Multiple frameworks and
runtimes Preparing for
release appendix A -
Frameworks and runtimes
appendix B - xUnit
command-line options

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**appendix C - What's in
the .NET Standard
Library? appendix D -
NuGet cache locations
Learn how to build web
applications efficiently
using ASP.NET Core 5**

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**with the C# programming
language and related
frameworks Key
FeaturesBuild web apps
and services and cross-
platform applications
using .NET and**

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**C# Understand different
web programming concepts
with the help of real-
world examples Explore
the new features and
APIs in ASP.NET Core 5,
EF Core, Visual Studio,**

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**and BlazorBook
Description ASP.NET Core
5 for Beginners is a
comprehensive
introduction for those
who are new to the
framework. This**

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**condensed guide takes a
practical and engaging
approach to cover
everything that you need
to know to start using
ASP.NET Core for
building cloud-ready,**

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**modern web applications.
The book starts with a
brief introduction to
the ASP.NET Core
framework and highlights
the new features in its
latest release, ASP.NET**

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Core 5. It then covers the improvements in cross-platform support, the view engines that will help you to understand web development, and the new

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**frontend technologies
available with Blazor
for building interactive
web UIs. As you advance,
you'll learn the
fundamentals of the
different frameworks and**

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**capabilities that ship
with ASP.NET Core.**

**You'll also get to grips
with securing web apps
with identity
implementation, unit
testing, and the latest**

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in containers and cloud-native to deploy them to AWS and Microsoft Azure. Throughout the book, you'll find clear and concise code samples that illustrate each

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**concept along with the
strategies and
techniques that will
help to develop scalable
and robust web apps. By
the end of this book,
you'll have learned how**

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**to leverage ASP.NET Core
5 to build and deploy
dynamic websites and
services in a variety of
real-world scenarios.
What you will
learnExplore the new**

Access Free Programming Asp Net Core Developer Reference

**features and APIs
introduced in ASP.NET
Core 5 and BlazorPut
basic ASP.NET Core 5
concepts into practice
with the help of clear
and simple samplesWork**

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**with Entity Framework
Core and its different
workflows to implement
your application's data
accessDiscover the
different web frameworks
that ASP.NET Core 5**

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**offers for building web
appsGet to grips with
the basics of building
RESTful web APIs to work
with real dataDeploy
your web apps in AWS,
Azure, and Docker**

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**containersWork with
SignalR to add real-time
notifications to your
appWho this book is for
This book is for
developers who want to
learn how to develop web-**

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**based applications using
the ASP.NET Core
framework. Familiarity
with the C# language and
a basic understanding of
HTML and CSS is required
to get the most out of**

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this book.

**Now in its 8th edition,
Pro ASP.NET Core has
been thoroughly updated
for ASP.NET Core 3 and
online for ASP.NET Core
5 and .NET 5.0. This**

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**comprehensive, full-
color guide is the only
book you need to learn
ASP.NET Core
development.
Professional developers
get ready to produce**

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**leaner applications for
the ASP.NET Core
platform. This edition
puts ASP.NET Core 3 into
context, and takes a
deep dive into the tools
and techniques required**

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**to build modern,
extensible web
applications. New
features and
capabilities such as MVC
3, Razor Pages, Blazor
Server, and Blazor**

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**WebAssembly are covered,
along with
demonstrations of how
they can be applied in
practice. Following the
same popular format and
style found in previous**

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**editions, author Adam
Freeman explains how to
get the most out of
ASP.NET Core 3. Starting
with the nuts-and-bolts
topics, he teaches
readers about middleware**

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**components, built-in
services, request model
binding, and more.**

**Moving along, he
introduces increasingly
more complex topics and
advanced features,**

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**including endpoint
routing and dependency
injection. Written for
professionals wanting to
incorporate the latest
functionality of ASP.NET
Core 3 into their**

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projects, this book also serves as a complete reference on ASP.NET Core. Beginners with some background in Microsoft web development will also

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**greatly benefit from the
in-depth coverage
provided throughout.**

What You Will Learn:

**Build a solid foundation
and skill set for
working with the entire**

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**ASP.NET Core
platformApply ASP.NET
Core 3 and ASP.NET Core
5 features in your
developer environment;
plentiful reusable
templatesSee how to**

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**create RESTful web
services, web
applications, and client-
side
applicationsLeverage
existing knowledge to
efficiently get up and**

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**running with new
programming models Adam
Freeman is an
experienced IT
professional who has
held senior positions in
a range of companies,**

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**most recently serving as
chief technology officer
and chief operating
officer of a global
bank. Now retired, he
spends his time writing
and long-distance**

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**running. “The Rolls-
Royce of ASP.NET books,
(or if you’re American,
the Cadillac). Very
thorough!” Les Jackson,
MCSD, DotNet Playbook
“The author’s**

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**instruction is direct,
easy to understand and
supplemented with clear
code examples... Whether
you are a beginner
learning ASP.NET Core
3.1 app development, or**

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**an experienced
professional ready to
master advanced
concepts, I consider
this book a 'must have'
for you!" Jeremy
Likness, Senior Program**

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Manager, Microsoft

**“...the best single
resource for teaching
MVC web apps using
ASP.NET.” Charles
Carter, MSCS, MSwE, JD,
Cloud Application**

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**Development Instructor,
Microsoft Software and
Systems Academy
Elements of Reusable
Object-Oriented Software
Programming ASP.NET
Core, First Edition**

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**Design Patterns
Programming ASP.NET MVC
4
Build apps, websites,
and services with
ASP.NET Core 6, Blazor,**

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and EF Core 6 using
Visual Studio 2022 and
Visual Studio Code
Building Web
Applications
Programming ASP.NET Core,
Programming ASP.NET

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CoreMicrosoft Press

***Hit the ground running with
this book to quickly learn
the fundamentals of HTML
form processing, user
authentication, and
database CRUD (Create,***

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Read, Update, and Delete)
operations using the
ASP.NET Core family of
technologies. You will utilize
cutting-edge and popular
technology options from
both the server side and

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***client side to help you
achieve your web
application goals as quickly
as possible. Developers who
want to learn ASP.NET Core
and complementary
technologies are often***

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overwhelmed by the large number of options involved in building modern web applications. This book introduces you to the most popular options so that you can confidently begin

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working on projects in no time. You will learn by example, building a sample application that demonstrates how the same application can be built using different options. This

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***experiential approach will
give you the basic skills and
knowledge to understand
how the options work
together so that you can
make an informed decision
about the available choices,***

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their trade-offs, and code level comparison. After reading this book, you will be able to choose your selected learning path. What You Will Learn Develop data entry forms in ASP.NET

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***Core, complete with
validations and processing
Perform CRUD operations
using server-side options:
ASP.NET Core MVC, Razor
Pages, Web APIs, and Blazor
Perform CRUD operations***

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***using client-side options:
jQuery and Angular Secure
web applications using
ASP.NET Core Identity,
cookie authentication, and
JWT authentication Use
RDBMS and NoSQL data***

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**stores: SQL Server, Azure
SQL Database, Azure
Cosmos DB, and MongoDB
for CRUD operations Deploy
ASP.NET Core web
applications to IIS and Azure
App Service Who This Book**

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Is For Developers who possess a basic understanding of ASP.NET and how web applications work. Some experience with Visual Studio 2017 or higher, C#, and JavaScript is

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helpful.

***If you know the basics of C#
and HTML/CSS, you're ready
to learn how to build
ASP.NET Core MVC web apps
the way the professionals
do. This book covers all the***

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***essentials: the MVC pattern,
Bootstrap for responsive
design, routing, Razor
views, model binding, data
validation, EF (Entity
Framework) Core for
database handling,***

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***dependency injection, xUnit
and Moq for unit testing,
Identity for authentication,
and more. It gets you going
right away with a subset of
basic skills, then builds on
those skills so you'll soon be***

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developing real-world web apps. Along the way, you get dozens of practical coding examples that help you apply what you've just learned and show how all the parts work together.

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And when you're done, this book does double duty as the best on-the-job reference that money can buy.

***ASP.NET Core in Action,
Second Edition is a***

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***comprehensive guide to
creating web applications
with ASP.NET Core 5.0. Go
from basic HTTP concepts to
advanced framework
customization. Summary
Fully updated to ASP.NET***

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5.0, ASP.NET Core in Action, Second Edition is a hands-on primer to building cross-platform web applications with your C# and .NET skills. Even if you've never worked with ASP.NET you'll start

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***creating productive cross-
platform web apps fast. And
don't worry about late-
breaking changes to
ASP.NET Core. Purchase of
the print book includes a
free eBook in PDF, Kindle,***

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***and ePub formats from
Manning Publications. About
the technology Build full-
stack web applications that
run anywhere. Developers
love ASP.NET Core for its
libraries and pre-built***

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components that maximize productivity. Version 5.0 offers new features for server-side apps, as well as background services for cross-platform development. About the book ASP.NET

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Core in Action, Second Edition is a comprehensive guide to creating web applications with ASP.NET Core 5.0. Go from basic HTTP concepts to advanced framework customization.

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Illustrations and annotated code make learning visual and easy. Master logins, dependency injection, security, and more. This updated edition covers the latest features, including

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***Razor Pages and the new
hosting paradigm. What's
inside Developing apps for
Windows and non-Windows
servers Configuring
applications Building custom
components Logging,***

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***testing, and security About
the reader For intermediate
C# developers. About the
author Andrew Lock is a
Microsoft MVP who has
worked with ASP.NET Core
since before its first release.***

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***Hands-On Full-Stack Web
Development with ASP.NET
Core***

***Kick-start your ASP.NET web
development journey with
the help of step-by-step
tutorials and examples***

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***C# 8.0 and .NET Core 3.0 -
Modern Cross-Platform
Development
Full-stack web development
using .NET 5, React 17, and
TypeScript 4, 2nd Edition
.NET Core 2.0 By Example***

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Developing Real-World Web Applications with ASP.NET MVC

Become a full-stack developer by learning popular Microsoft technologies and platforms such as .NET Core, ASP.NET Core, Entity Framework, and Azure Key

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FeaturesBring static typing to web development with features compatible in TypeScript 3Implement a slim marketplace single page application (SPA) in Angular, React, and VueModernize your web apps with Microsoft Azure, Visual Studio, and GitBook Description Today, full-stack development is the name of the game.

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Developers who can build complete solutions, including both backend and frontend products, are in great demand in the industry, hence being able to do so a desirable skill. However, embarking on the path to becoming a modern full-stack developer can be overwhelmingly difficult, so the key purpose of this book is to simplify

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and ease the process. This comprehensive guide will take you through the journey of becoming a full-stack developer in the realm of the web and .NET. It begins by implementing data-oriented RESTful APIs, leveraging ASP.NET Core and Entity Framework. Afterward, it describes the web development field, including its history and

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future horizons. Then, you ' ll build webbased Single-Page Applications (SPAs) by learning about numerous popular technologies, namely TypeScript, Angular, React, and Vue. After that, you ' ll learn about additional related concerns involving deployment, hosting, and monitoring by leveraging the cloud; specifically, Azure. By

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the end of this book, you ' ll be able to build, deploy, and monitor cloud-based, data-oriented, RESTful APIs, as well as modern web apps, using the most popular frameworks and technologies. What you will learnBuild RESTful APIs in C# with ASP.NET Core, web APIs, and Entity FrameworkSee the history and future

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horizons of the web development field
Bring static-typing to web apps using
TypeScript
Build web applications using
Angular, React, and Vue
Deploy your application to the cloud
Write web applications that scale, can adapt to changes,
and are easy to maintain
Discover best practices and real-world tips and

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tricksSecure your backend server with Authentication and Authorization using OAuth 2.0Who this book is for This book is for developers who are keen on strengthening their skills in the field of cloud-based full-stack web development. You need basic knowledge of web-related pillars, including HTML, CSS, and JavaScript, as

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well as C# and REST. This book targets novice developers in the realm of Web development and ASP.NET who desire to advance to modern Web and ASP.NET Core development and leverage the Cloud to manage and bring everything together. Software -- Software Engineering. Learn how web applications can be built

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efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker

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Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is assumed. Additionally, previous Visual Studio experience will be helpful but is not

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required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development environment using

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Visual Studio 2017 and Visual Studio Code
Create a fully automated continuous
delivery pipeline using Visual Studio Team
Services Get to know the basic and
advanced concepts of ASP.NET Core 2.0
with detailed examples Build an MVC web
application and use Entity Framework Core
2 to access data Add Web APIs to your web

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applications using RPC, REST, and HATEOAS Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications In Detail The ability to develop web applications that are highly efficient but also easy to maintain has become imperative

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to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts

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with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts

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and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be

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able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption. Style and approach Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC
A mobile applications development

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masterclass for .NET and C# developers Key FeaturesUncover the new features and capabilities of the .NET 5 framework in this updated and improved second editionOptimize the time required to develop highly performant cross-platform applicationsUnderstand the architectural patterns and best practices for mobile

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application developmentBook Description

Are you a .NET developer who wishes to develop mobile solutions without delving into the complexities of a mobile development platform? If so, this book is a perfect solution to help you build professional mobile apps without leaving the .NET ecosystem. Mobile Development with

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.NET will show you how to design, architect, and develop robust mobile applications for multiple platforms, including iOS, Android, and UWP using Xamarin, .NET Core, and Azure. With the help of real-world scenarios, you'll explore different phases of application development using Xamarin, from environment setup,

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design, and architecture to publishing. Throughout the book, you'll learn how to develop mobile apps using Xamarin and .NET Standard. You'll even be able to implement a web-based backend composed of microservices with .NET Core using various Azure services including, but not limited to, Azure Active Directory, Azure

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Functions. As you advance, you'll create data stores using popular database technologies such as Cosmos DB and data models such as the relational model and NoSQL. By the end of this mobile application development book, you'll be able to create cross-platform mobile applications that can be deployed as cloud-

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based PaaS and SaaS. What you will
learnDiscover the latest features of .NET 5
that can be used in mobile application
developmentExplore Xamarin.Forms Shell
for building cross-platform mobile
UIsUnderstand the technical design
requirements of a consumer mobile appGet
to grips with advanced mobile development

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concepts such as app data management,
push notifications, and graph APIs Manage
app data with Entity Framework Core Use
Microsoft ' s Project Rome for creating
cross-device experiences with
Xamarin Become well-versed with
implementing machine learning in your
mobile apps Who this book is for This book

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is for ASP.NET Core developers who want to get started with mobile development using Xamarin and other Microsoft technologies. Working knowledge of C# programming is necessary to get started. ASP.NET Core: Cloud-ready, Enterprise Web Application Development
Learn end-to-end web development with

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leading frontend frameworks, such as
Angular, React, and Vue

Learning ASP.NET Core MVC
Programming

Develop Cloud-Ready Web Applications
Using MVC, Blazor, and Razor Pages

Build cross-platform mobile applications
with Xamarin.Forms 5 and ASP.NET Core

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5, 2nd Edition

ASP.NET Core for Jobseekers

Programming ASP.NET

Discusses how to use ASP in the .NET framework, events, controls, control details, Web forms, tracing and debugging, validation, data binding, ADO, Web services, and security.

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Learn, PHP, Or ASP.NET: Application -
Website / Asp.Net Software, Development
In this broad manual for starting with
ASP.NET 4.5.1, top-of-the-line maker
Imar Spaanjaars gives a firm foundation
to coders new to ASP.NET and key pieces
of information for those not yet familiar
with the critical updates in the 4.5.1

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conveyance. Perusers sort out some way to create full-included ASP.NET destinations using Visual Studio Express for Web, Microsoft's free improvement mechanical assembly for ASP.NET web applications. Beginning ASP.NET 4.5.1 associates you through the way toward making a totally utilitarian, database-

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driven website, from the development of the most fundamental page structure directly down to the productive sending of the webpage to a creative environment. Microsoft ASP.NET Tutorial for Beginners Pro ASP.NET Core 3, Using MVC, Blazor Develop Cloud-Ready Web Applications Customizing ASP.NET Core 5.0, web Turn

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the right screws in ASP.NET Core
Programming ASP.NET Core,
development ASP.NET Core 5 for
Beginners, Website
Provides information on using ASP.NET
MVC 4 to build server-side Web
applications.
Learn, understand, and code parallel

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programs with confidence using C# 8 and .NET Core 3.0 Key Features a- Explore and work with the new features and enhancements in .NET Core 3.1 and C# 8. a- Understand the fundamentals of parallel programming. a- Learn various threading patterns and synchronization constructs. a- Build concurrent

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applications using C# and .NET Core 3.1 from the ground up. a- Understand the principles of unit testing and debugging in concurrent applications. Description Application development has evolved over the last decade, and with the advent of the latest technologies like Angular, React on client-side, and ASP.NET Core, Spring on

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the server-side, the consumer expectations have risen like never before. The primary objective of this book is to help readers understand the importance of asynchronous programming and various ways it can be achieved using .NET Core 3.1 and C# 8 to successfully build concurrent applications. Along the way

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reader will learn the fundamentals of threading, asynchronous programming, various asynchronous patterns, synchronisation constructs, unit testing parallel methods, debugging enterprise applications, and cool tips and tricks. There are samples based on practical examples that will help the reader

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effectively use parallel programming. By the end of this book, you will be equipped with all the knowledge needed to understand, code, and debug multithreaded, concurrent and parallel programs with confidence. What will you learn a- Understand the internals of async/await. a- Learn how to build

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applications using async/await. a- Write unit tests for asynchronous methods. a- Explore various debugging techniques for enterprise applications. a- Discover cool tips, tricks, and best practices to help you avoid common mistakes. Who this book is for Beginners and intermediate developers who build enterprise applications using

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.NET Core platform and tools. Advanced users can also use this book for brushing up fundamentals and for learning debugging tools, techniques, tips, and tricks. TABLE OF CONTENTS 1. Getting Started 2. What's new in C# 8? 3. .NET Core 3.1 4. Demystifying Threading 5. Parallel Programming 6. The Threading

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Patterns 7. Synchronization Constructs 8.
Unit Testing Parallel and Asynchronous
Programs 9. Debugging and
Troubleshooting (Its spelling is incorrect
in pdf) 10. Tips and Tricks ABOUT THE
AUTHORS Rishabh Verma is a Microsoft
certified professional and works at
Microsoft as a senior development

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consultant, helping the customers to design, develop, and deploy enterprise-level applications. An electronic engineer by education, he has 12+ years of hardcore development experience on the .NET technology stack. He is passionate about creating tools, Visual Studio extensions, and utilities to increase

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developer productivity. His interests are .NET Compiler Platform (Roslyn), Visual Studio Extensibility, code generation, and .NET Core. He is a member of the .NET Foundation (<https://www.dotnetfoundation.org>). He occasionally blogs at <https://rishabhverma.net/>. He has

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authored a book on .NET Core 2.0 prior to this title. His twitter id is @VermaRishabh, and his LinkedIn page is <https://www.linkedin.com/in/rishabhverma/> Neha Shrivastava is a Microsoft certified professional and works as a software engineer for the Cloud & AI group at Microsoft India Development Center. She

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has about 10 years' development experience and has expertise in the financial, healthcare, and e-commerce domains. Neha did her bachelor's in electronics engineering. Her interests are the ASP.NET stack, Azure, and cross-platform development. She is passionate about learning new technologies and

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keeps herself up to date with the latest advancements. She has already written a book on .NET Core 2.0 last year. Her LinkedIn profile page is <https://www.linkedin.com/in/neha-shrivastava-99a80135/>

Ravindra Akella works as a Senior Consultant at Microsoft with more than 13 years of software development experience.

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Specializing in .NET and web-related technologies, his current role involves end to end ownership of products right from architecture to delivery. He has lead software architecture, design, development, and delivery of large complex solutions with >80 software engineers using Azure Cloud and related

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technologies. He is a tech-savvy developer who is passionate about embracing new technologies. He has delivered talks and sessions on Azure and other technologies in international conferences. His LinkedIn profile is <https://www.linkedin.com/in/ravindra-akella/>

A Problem-Solution Approach

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An end to end guide covering the latest features of Visual Studio 2019, Blazor and Entity Framework, 2nd Edition
ASP.NET Core 2 and Angular 5
Learn, PHP, Or ASP.NET
With ASP.NET Core, SignalR, Docker, and Azure
Learning ASP.NET Core 2.0

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Application - Website / Asp.Net Software,
Development

Build fully functional, cloud-ready, and professional web applications using the latest features in the .NET 5 framework and React.js with Microsoft Azure Key Features Explore the new features of

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.NET 5 with this updated edition of ASP.NET Core 5 and ReactDiscover strategies for adopting a full-stack development approach, clean architecture techniques, and development best practicesLearn how to manage data, design and package

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applications, and secure your web appsBook Description Microsoft ' s .NET framework is a robust server-side framework, now even more powerful thanks to the recent unification of the Microsoft ecosystem with the .NET 5 framework. This updated second

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edition addresses these changes in the .NET framework and the latest release of React. The book starts by taking you through React and TypeScript components for building an intuitive single-page application and then shows you how to design scalable REST APIs

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that can integrate with a React-based frontend. Next, you ' ll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. As you progress through the

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chapters, you'll learn how to use React with TypeScript to make the frontend robust and maintainable and cover key ASP.NET 5 features such as API controllers, attribute routing, and model binding to build a sturdy backend. In addition to this, you ' ll

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explore API security with ASP.NET 5 identity and authorization policies and write reliable unit tests using both .NET and React, before deploying your app on Azure. By the end of this book, you ' ll have gained the knowledge you need to enhance your

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C# and JavaScript skills and build full-stack, production-ready applications with ASP.NET 5 and React. What you will learnBuild RESTful APIs with .NET 5 using API controllersSecure REST APIs with identity and authorization policiesCreate strongly

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typed, interactive, and function-based
React components using
HooksUnderstand how to style React
components using Emotion.jsPerform
client-side state management with
ReduxRun a range of automated tests
on the frontend and

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backendImplement continuous integration and continuous delivery (CI/CD) processes in Azure using Azure DevOpsWho this book is for If you're a web developer looking to get up to speed with full-stack web application development with .NET

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Core and React, this book is for you. Although the book does not assume any knowledge of React, a basic understanding of .NET Core will help you to get to grips with the concepts covered.

With Programming ASP.NET 3.5,

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you'll quickly learn to create state-of-the-art applications using Microsoft's popular web development technology and Visual Studio 2008. This updated bestseller provides comprehensive and easy-to-understand information to help you use several .NET 3.5 technologies

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for faster development and better web application performance-including ASP.NET AJAX for interactive user interfaces, LINQ for data access, and Windows Communication Foundation (WCF) for web services. Programming ASP.NET 3.5 includes examples and

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sample code that let you explore development with ASP.NET in more depth. With this book, you will: Learn about AJAX and ASP.NET server controls included with Visual Studio 2008 Discover how to use the DataSource and data-bound controls

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in ADO.NET Use the new LINQ API and learn how to make use of it within ASP.NET pages Create a uniform look and feel throughout your application with Master Pages Use navigation controls to build site maps, menus, and breadcrumbs quickly and easily Build

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and use various web services with WCF
Detect errors during development and
handle them in your production code
Learn how to configure and deploy
your website Written by Microsoft
technology experts Jesse Liberty, Dan
Hurwitz, and Dan Maharry,

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Programming ASP.NET 3.5 is the best book for learning how to build dynamic, interactive web applications using Microsoft's latest technologies. Create fast, scalable, and high-performance applications with C# and ASP.NET Core About This Book Get

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first-principle coverage of the latest
ASP.NET Core MVC Find out how to
bring together the capabilities and
features of both Angular 2 and
ASP.NET Core Discover common
areas you might encounter
performance problems with and areas

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you don't need to worry about Who
This Book Is For This book is for
developers who want to learn to build
web applications using ASP.NET
Core, those who want to make a career
building web applications using
Microsoft technology, and those who

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are working on other web frameworks
and want to learn ASP.NET Core.

What You Will Learn Get to know the
concepts of ASP.NET MVC Create a
Controller with action methods Build a
view using several features of the Razor
View engine Construct a Model for

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ASP.NET Core MVC application Find out how the features of ASP.NET Core and Angular 2 perfectly complement each other Handle requests and actions using server-side and client-side Routing Create a Data Model using Entity Framework Core Learn how to

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use Angular 2 components and master directives Improve performance at the network level and I/O level, and how to optimize the application as a whole Monitor performance as part of Continuous Integration and regression testing In Detail ASP.NET Core is the

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new, open source, and cross-platform, web-application framework from Microsoft. ASP.NET Core MVC helps you build robust web applications using the Model-View-Controller design. This guide will help you in building applications that can be deployed on

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non-Windows platforms such as Linux. Starting with an overview of the MVC pattern, you will quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core architecture of model, view, and control. Integrating your

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application with Bootstrap, validating user input, interacting with databases, and deploying your application are some of the things that you will learn to execute with this fast-paced guide. You will test your knowledge as you build a fully working sample application using

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the skills you've learned throughout the book. Moving forward, this guide will teach you to combine the impressive capabilities of ASP.NET Core and Angular 2. Not only will you learn how Angular 2 can complement your .NET skills and toolkit, you'll also learn

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everything you need to build a complete, dynamic single-page application. Find out how to get your data model in place and manage an API, before styling and designing your frontend for an exceptional user experience. You will find out how to

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optimize your application for SEO, identify and secure vulnerabilities, and how to successfully deploy and maintain your application. From here, you will delve into the latest frameworks and software design patterns to improve your application

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performance. The course offers premium, highly practical content on the recently released ASP.NET Core, and includes material from the following Packt books: Learning ASP.NET Core MVC Programming, ASP.NET Core and Angular 2, and

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ASP.NET Core 1.0 High Performance.
Style and approach This learning path
takes a first-principles approach to help
you understand and implement
ASP.NET MVC solutions.

Build robust modern web applications
using .NET 5, Entity Framework Core,

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and Angular 11 Key Features Updated
with the latest features and additions in
ASP.NET Core 5 and Angular
11 Design, build, and deploy a Single
Page Application or Progressive Web
App Adopt a full stack approach to
handle data management, Web APIs,

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application design, testing, SEO, security, and deployment

Book Description Learning full-stack development calls for knowledge of both front-end and back-end web development. ASP.NET Core 5 and Angular, Fourth Edition will enhance

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your ability to create, debug, and deploy efficient web applications using ASP.NET Core and Angular. This revised edition includes coverage of the Angular routing module, expanded discussion on the Angular CLI, and detailed instructions for deploying apps

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on Azure, as well as both Windows and Linux. Taking care to explain and challenge design choices made throughout the text, Valerio teaches you how to build a data model with Entity Framework Core, alongside utilizing the Entity Core Fluent API

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and EntityTypeConfiguration class. You ' ll learn how to fetch and display data and handle user input with Angular reactive forms and front-end and back-end validators for maximum effect. Later, you will perform advanced debugging and explore the

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unit testing features provided by xUnit.net (.NET 5) and Jasmine, as well as Karma for Angular. After adding authentication and authorization to your apps, you will explore progressive web applications (PWAs), learning about their technical

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requirements, testing, and converting SWAs to PWAs. By the end of this book, you will understand how to tie together the front end and back end to build and deploy secure and robust web applications. What you will learn

Implement a web API interface

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with ASP.NET Core and consume it
with Angular using RxJS
observablesSet up an SQL database
server using a local instance or a cloud
data storePerform C# and TypeScript
debugging using Visual Studio
2019Create TDD and BDD unit tests

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using xUnit, Jasmine, and KarmaPerform DBMS structured logging using third-party providers such as SeriLogDeploy web apps to Windows and Linux web servers, or Azure App Service, using IIS, Kestrel, and nginxWho this book is for This

Access Free Programming Asp Net Core Developer Reference

book is for experienced ASP.NET developers who already possess some familiarity with ASP.NET Core and Angular and are looking to learn how to use them effectively together. The fully documented code samples (also available on GitHub) and the step-by-

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step implementation tutorials make this book easy to follow.

Programming ML.Net

Proven Approaches to Application
Design and Development

Full-stack web development with .NET
5 and Angular 11, 4th Edition

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With MVC, Razor Pages, Web API,
jQuery, Angular, SQL Server, and
NoSQL

Building an application in four sprints

ASP.NET Core 5 and Angular

A Practical Guide Using C#

Design and develop an

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ASP.NET Core web application using .NET Core 3.0. This book shows you how to publish a web application to a web server and connect the published web application

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to a production database.
Creating ASP.NET Core Web
Applications starts by
setting up the Visual
Studio project where you
will learn about Razor
pages, Entities, and

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creating a data service.
You will create models
along with methods to use
a query string and handle
bad requests. Modifying
data with Tag helpers is
discussed as well as

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installation of Entity Framework, working with database migrations, and implementing a data access service. You will learn how to use layout pages and sections with Partial

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Views, `_ViewImports`, and `_ViewStart` files. You also will create custom middleware and log application events. You will be able to deploy the web application as well as

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connect it to a SQL Server
database. What You Will
Learn Work with models
Modify data Work with EF
Core and SQL Server Work
with Razor pages and
Partial Views Use separate

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scripts for production vs
development Trace client-
side errors using Chrome
Developer tools Create
cascading style sheets
(CSS) with Sassy CSS
(SCSS) Explore middleware

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Deploy your web
application to IIS Who
This Book Is For Software
developers on the .NET
stack who want to create
ASP.NET Core web
applications

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Completely reengineered
for ASP.NET 4—this
definitive guide deftly
illuminates the core
architecture and
programming features of
ASP.NET 4 in a single,

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pragmatic volume. Web development expert Dino Esposito provides essential, architectural-level guidance, along with the in-depth technical insights designed to take

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you—and your solutions—to
the next level. The book
covers Dynamic Data, AJAX,
Microsoft Silverlight,
ASP.NET MVC, Web forms,
LINQ, and security
strategies—and features

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extensive code samples in
Microsoft Visual C#(R)
2010.

Publisher's Note:

Microsoft ceased support
for .NET Core 3.0 in March
2020. A new edition of

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this book is available
that uses .NET 6 (an LTS
release with support up
until November 2024), C#
10, and Visual Studio
2022, as well as Visual
Studio Code. Key

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FeaturesBuild modern,
cross-platform
applications with .NET
Core 3.0Get up to speed
with C#, and up to date
with all the latest
features of C# 8.0Start

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creating professional web
applications with ASP.NET
Core 3.0Book Description
In C# 8.0 and .NET Core
3.0 - Modern Cross-
Platform Development,
Fourth Edition, expert

Access Free Programming Asp Net Core Developer Reference

teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all

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major operating systems.
It is fully updated and
expanded with new chapters
on Content Management
Systems (CMS) and machine
learning with ML.NET. The
book covers all the topics

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you need. Part 1 teaches the fundamentals of C#, including object-oriented programming, and new C# 8.0 features such as nullable reference types, simplified switch pattern

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matching, and default interface methods. Part 2 covers the .NET Standard APIs, such as managing and querying data, monitoring and improving performance, working with the

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filesystem, async streams, serialization, and encryption. Part 3 provides examples of cross-platform applications you can build and deploy, such as web apps using ASP.NET

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Core or mobile apps using
Xamarin.Forms. The book
introduces three
technologies for building
Windows desktop
applications including
Windows Forms, Windows

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Presentation Foundation (WPF), and Universal Windows Platform (UWP) apps, as well as web applications, web services, and mobile apps. What you will learnBuild

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cross-platform
applications for Windows,
macOS, Linux, iOS, and
AndroidExplore application
development with C# 8.0
and .NET Core 3.0Explore
ASP.NET Core 3.0 and

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create professional web
applicationsLearn object-
oriented programming and
C# multitaskingQuery and
manipulate data using
LINQUse Entity Framework
Core and work with

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relational
databasesDiscover Windows
app development using the
Universal Windows Platform
and XAMLBuild mobile
applications for iOS and
Android using

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Xamarin.FormsWho this book
is for Readers with some
prior programming
experience or with a
science, technology,
engineering, or
mathematics (STEM)

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background, who want to gain a solid foundation with C# 8.0 and .NET Core 3.0.

Explore the tools and techniques to build scalable and secured

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RESTful web services and
web applications using C#
8 and ASP. NET Core 3.1
Key FeaturesDelve into MVC
patterns, configuration,
routing, and deployment to
build professional-grade

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applications Learn how to
integrate ASP applications
with the JavaScript
frameworks React, Vue, and
Angular Improve the
performance of
applications and the

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development team by
implementing advanced
ASP.NET Core conceptsBook
Description ASP.NET has
been the preferred choice
of web developers for a
long time. With ASP.NET

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Core 3, Microsoft has made internal changes to the framework along with introducing new additions that will change the way you approach web development. This second

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edition has been thoroughly updated to help you make the most of the latest features in the framework, right from gRPC and conventions to Blazor, which has a new chapter

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dedicated to it. You'll begin with an overview of the essential topics, exploring the Model-View-Controller (MVC) pattern, various platforms, dependencies, and

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frameworks. Next, you'll learn how to set up and configure the MVC environment, before delving into advanced routing options. As you advance, you'll get to

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grips with controllers and actions to process requests, and later understand how to create HTML inputs for models. Moving on, you'll discover the essential aspects of

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syntax and processes when working with Razor. You'll also get up to speed with client-side development and explore the testing, logging, scalability, and security aspects of

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ASP.NET Core. Finally, you'll learn how to deploy ASP.NET Core to several environments, such as Azure, Amazon Web Services (AWS), and Docker. By the end of the book, you'll be

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well versed in development in ASP.NET Core and will have a deep understanding of how to interact with the framework and work cross-platform. What you will learnUnderstand the

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new capabilities of
ASP.NET Core 3.1 Become
well versed in how to
configure ASP.NET Core to
use it to its full
potential Create
controllers and action

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methods, and understand
how to maintain
stateImplement and
validate forms and
retrieve information from
themImprove productivity
by enforcing reuse,

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process forms, and
effective security
measuresDelve into the new
Blazor development
modelDeploy ASP.NET Core
applications to new
environments, such as

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Microsoft Azure, AWS, and
DockerWho this book is for
If you are a developer
with basic knowledge of
ASP.NET MVC and want to
build powerful
applications, then this

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book is for you.

Developers who want to explore the latest changes in ASP.NET Core 3.1 to build professional-level applications will also find this book useful.

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Familiarity with C#,
ASP.NET Core, HTML, and
CSS is expected to get the
most out of this book.

Programming ASP.NET 3.5

Programming Microsoft

ASP.NET MVC

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C# 10 and .NET 6 - Modern
Cross-Platform Development
Learn to program in C# and
.NET Core by building a
series of practical, cross-
platform projects
.NET Core in Action

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Real-Time Web Application
Development

ASP.NET Core 5 and React

Publisher's Note: Microsoft will stop supporting .NET 5 in early May 2022. A new edition of this book is available that uses .NET 6 (an LTS release with support up until November 2024), C#

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10, and Visual Studio 2022, as well as Visual Studio Code. Key Features • Explore the newest additions to C# 9, the .NET 5 class library, Entity Framework Core and Blazor • Strengthen your command of ASP.NET Core 5.0 and create professional websites and services •

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Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book Description In C# 9 and .NET 5 – Modern Cross-Platform Development, Fifth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This

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latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including object-oriented programming

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and new C# 9 features such as top-level programs, target-typed new object instantiation, and immutable types using the record keyword. Part 2 covers the .NET APIs, for performing tasks like managing and querying data, monitoring and improving performance, and working with the file

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system, async streams, serialization, and encryption. Part 3 provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core or mobile apps using Xamarin.Forms. The best type of application for learning the C#

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language constructs and many of the .NET libraries is one that does not distract with unnecessary application code. For that reason, the C# and .NET topics covered in Chapters 1 to 13 feature console applications. In Chapters 14 to 20, having mastered the basics of the language and

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libraries, you will build practical applications using ASP.NET Core, Model-View-Controller (MVC), and Blazor. By the end of the book, you will have acquired the understanding and skills you need to use C# 9 and .NET 5 to create websites, services, and mobile apps. What you will learn •

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Build your own types with object-oriented programming • Query and manipulate data using LINQ • Build websites and services using ASP.NET Core 5 • Create intelligent apps using machine learning • Use Entity Framework Core and work with relational databases • Discover

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Windows app development using the Universal Windows Platform and XAML • Build rich web experiences using the Blazor framework • Build mobile applications for iOS and Android using Xamarin.Forms Who this book is for This book is best for C# and .NET beginners, or programmers

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who have worked with C# in the past but feel left behind by the changes in the past few years. This book doesn't expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science,

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*technology, engineering, or
mathematics (STEM) background can
certainly benefit from this book. Table
of Contents • Hello, C#! Welcome,
.NET Core! • Speaking C# •
Controlling Flow and Converting Types
• Writing, Debugging, and Testing
Functions • Building Your Own Types*

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*with Object-Oriented Programming •
Implementing Interfaces and Inheriting
Classes • Understanding and
Packaging .NET Types • Working with
Common .NET Types • Working with
Files, Streams, and Serialization (N.B.
Please use the Look Inside option to
see further chapters) Review "Mark*

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Price's extraordinary book covers every aspect of C# 9 and .NET 5. It is filled with step-by-step demonstrations and will be of tremendous value both to those who want to learn C# and to more experienced C# programmers making the transition to C# 9. Highly recommended!" -- Jesse Liberty -

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*author of Programming C# and
Learning C# (O'Reilly Media)*

*The complete, pragmatic guide to
building high-value solutions with
ASP.NET Core Programming*

*ASP.NET Core is the definitive guide
to practical web-based application
development with Microsoft's new*

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ASP.NET Core framework. Microsoft MVP Dino Esposito introduces proven techniques and well-crafted example code for solving real problems with ASP.NET Core. Step by step, he guides you through using all key ASP.NET Core technologies, including MVC for HTML generation, .NET Core,

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EF Core, ASP.NET Identity, dependency injection, and much more. Esposito thoroughly covers ASP.NET Core's cross-platform capabilities and what's changed from older ASP.NET versions, but he doesn't stop there: he offers a complete learning path for every developer who wants to build

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production solutions, including mobile-specific solutions. Microsoft MVP Dino Esposito shows how to:

- Create new projects and understand their structure*
- Set up and use the familiar MVC application model in ASP.NET Core*
- Write controller class code to govern all stages of request processing*

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Serve HTML from controllers, or directly via Razor Pages • Master the Razor language for quickly defining the layout of HTML views • Manage cross-cutting concerns such as global configuration data, error and exception handling, controller class design, and dependency injection • Secure

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applications with user authentication and ASP.NET Core's policy-based user authorization API • Design for efficient data access, and choose the right option for reading and writing data • Build ASP.NET Core Web APIs that return JSON, XML, or other data • Use data binding to programmatically

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update visual components with fresh information • Build device-friendly web views for iOS and Android • Explore the radically new ASP.NET Core runtime environment and Dependency Injection (DI) infrastructure
Quickly find solutions to common web development problems. Content is

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presented in the popular problem-solution format. Look up the problem that you want to solve. Read the solution. Apply the solution directly in your own code. Problem solved!

ASP.NET Core Recipes is a practical guide for developers creating modern web applications, cutting through the

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complexities of ASP.NET, jQuery, React, and HTML5 to provide straightforward solutions to common web development problems using proven methods based on best practices. The problem-solution approach gets you in, out, and back to work quickly while deepening your

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understanding of the underlying platform and how to develop with it. Author John Ciliberti guides you through the MVC framework and development tools, presenting typical challenges, along with code solutions and clear, concise explanations, to accelerate application development.

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Solve problems immediately by pasting in code from the recipes, or put multiple recipe solutions together to overcome challenging development obstacles. What You'll Learn Take advantage of MVC's streamlined syntax Discover how to take full control over HTML Develop a simple

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API for creating RESTful web services
Understand test-driven development
Migrate a project from ASP.NET web forms to Core MVC, including recipes for converting DataGrids, Forms, Web Parts, Master Pages, and navigation controls
Use Core MVC in combination with popular JavaScript libraries,

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*including jQuery, React, Bootstrap,
and more Write unit tests for your
MVC controllers, views, custom filters,
and HTML helpers Utilize the latest
features in Visual Studio 2017 to
accelerate your Core MVC projects
Identify performance bottlenecks in
your MVC application Who This Book*

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Is For Web developers of all skill levels who are looking for a programming reference for ASP.NET Core MVC and would like to gain an understanding of the inner workings of the platform. In addition, parts of this book provide guidance to developers familiar with ASP.NET Web Forms who would like

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to update their skill set to include Core MVC.

Tapadiya takes a straightforward, hands-on approach to explain everything readers need to know from development to deployment and maintenance for this platform--all from a developer's perspective. Using C#

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as the primary language, and with plenty of code examples throughout, this book is an excellent way to learn.

NET Programming

Murach's ASP.NET Core MVC

Programming Microsoft ASP.NET 4

Modern Web Development with

ASP.NET Core 3

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*Programming ASP.NET Core
Beginning Database Programming
Using ASP.NET Core 3
C# 9 and .NET 5 – Modern Cross-
Platform Development
The complete, pragmatic guide to
building high-value solutions with
ASP.NET Core Programming*

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ASP.NET Core is the definitive guide to practical web-based application development with Microsoft's new ASP.NET Core framework. Microsoft MVP Dino Esposito introduces proven techniques and well-crafted example code for solving real problems with

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ASP.NET Core. Step by step, he guides you through using all key ASP.NET Core technologies, including MVC for HTML generation, .NET Core, EF Core, ASP.NET Identity, dependency injection, and much more. Esposito thoroughly covers ASP.NET Core's

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cross-platform capabilities and what's changed from older ASP.NET versions, but he doesn't stop there: he offers a complete learning path for every developer who wants to build production solutions, including mobile-specific solutions. Microsoft MVP

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Dino Esposito shows how to: Create new projects and understand their structure Set up and use the familiar MVC application model in ASP.NET Core Write controller class code to govern all stages of request processing Serve HTML from controllers, or

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*directly via Razor Pages Master the
Razor language for quickly defining
the layout of HTML views Manage
cross-cutting concerns such as global
configuration data, error and
exception handling, controller class
design, and dependency injection*

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Secure applications with user authentication and ASP.NET Core's policy-based user authorization API Design for efficient data access, and choose the right option for reading and writing data Build ASP.NET Core Web APIs that return JSON, XML, or

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*other data Use data binding to
programmatically update visual
components with fresh information
Build device-friendly web views for
iOS and Android Explore the radically
new ASP.NET Core runtime
environment and Dependency Injection*

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(DI) infrastructure.

The professional's guide to C# 7, with expert guidance on the newest features Professional C# 7 and .NET Core 2.0 provides experienced programmers with the information they need to work effectively with the world's leading

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programming language. The latest C# update added many new features that help you get more done in less time, and this book is your ideal guide for getting up to speed quickly. C# 7 focuses on data consumption, code simplification, and performance, with

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new support for local functions, tuple types, record types, pattern matching, non-nullable reference types, immutable types, and better support for variables. Improvements to Visual Studio will bring significant changes to the way C# developers interact with

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the space, bringing .NET to non-Microsoft platforms and incorporating tools from other platforms like Docker, Gulp, and NPM. Guided by a leading .NET expert and steeped in real-world practicality, this guide is designed to

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get you up to date and back to work. With Microsoft speeding up its release cadence while offering more significant improvement with each update, it has never been more important to get a handle on new tools and features quickly. This book is

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designed to do just that, and more—everything you need to know about C# is right here, in the single-volume resource on every developer's shelf. Tour the many new and enhanced features packed into C# 7 and .NET Core 2.0 Learn how the

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*latest Visual Studio update makes
developers' jobs easier Streamline your
workflow with a new focus on code
simplification and performance
enhancement Delve into improvements
made for localization, networking,
diagnostics, deployments, and more*

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Whether you're entirely new to C# or just transitioning to C# 7, having a solid grasp of the latest features allows you to exploit the language's full functionality to create robust, high-quality apps. Professional C# 7 and .NET Core 2.0 is the one-stop

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*guide to everything you need to know.
Develop a simple, yet fully-functional
modern web application using
ASP.NET Core MVC, Entity
Framework and Angular 5. About
This Book Based on the best-selling
book ASP.NET Core and Angular 2*

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Easily build a complete single page application with two of the most impressive frameworks in modern development, ASP.NET Core and Angular Bring together the capabilities and features of both Angular 5 and ASP.NET Core 2 for

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full stack development Discover a comprehensive approach to building your next web project-From managing data, to application design, through to SEO optimization and security Who This Book Is For This book is for seasoned ASP.NET developers who

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*already know about ASP.NET Core
and Angular in general, but want to
know more about them and/or
understand how to blend them together
to craft a production-ready SPA.*

*What You Will Learn Use ASP.NET
Core to its full extent to create a*

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*versatile backend layer based on
RESTful APIs Consume backend APIs
with the brand new Angular 5
HttpClient and use RxJS Observers to
feed the frontend UI asynchronously
Implement an authentication and
authorization layer using ASP.NET*

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*Identity to support user login with
integrated and third-party OAuth 2
providers Configure a web application
in order to accept user-defined data
and persist it into the database using
server-side APIs Secure your
application against threats and*

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*vulnerabilities in a time efficient way
Connect different aspects of the ASP.
NET Core framework ecosystem and
make them interact with each other
for a Full-Stack web development
experience In Detail Become fluent in
both frontend and backend web*

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development by combining the impressive capabilities of ASP.NET Core 2 and Angular 5 from project setup right through the deployment phase. Full-stack web development means being able to work on both the frontend and backend portions of an

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application. The frontend is the part that users will see or interact with, while the backend is the underlying engine, that handles the logical flow: server configuration, data storage and retrieval, database interactions, user authentication, and more. Use the

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ASP.NET Core MVC framework to implement the backend with API calls and server-side routing. Learn how to put the frontend together using top-notch Angular 5 features such as two-way binding, Observables, and Dependency Injection, build the Data

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Model with Entity Framework Core, style the frontend with CSS/LESS for a responsive and mobile-friendly UI, handle user input with Forms and Validators, explore different authentication techniques, including the support for third-party OAuth2

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*providers such as Facebook, and
deploy the application using Windows
Server, SQL Server, and the IIS/Kestrel
reverse proxy. Style and approach
More than just a technical manual,
this guide takes you through the most
important technical facets of*

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developing with these two hugely popular frameworks and then demonstrates how to put those skills into practice. It's a book that recognizes that what's really important is the end product.

Build cross-platform solutions with

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.NET Core 2.0 through real-life scenarios Key Features Bridges the gap between learning and doing and improves your software development skills Covers the best practices of .NET development to improve your productivity Example-based approach

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*to get you started quickly with
software programming Book
Description With the rise in the
number of tools and technologies
available today, developers and
architects are always exploring ways to
create better and smarter solutions.*

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Before, the differences between target platforms was a major roadblock, but that's not the case now. .NET Core 2.0 By Example will take you on an exciting journey to building better software. This book provides fresh and relevant content to .NET Core 2.0

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in a succinct format that's enjoyable to read. It also delivers concepts, along with the implications, design decisions, and potential pitfalls you might face when targeting Linux and Windows systems, in a logical and simple way. With the .NET framework at its

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center, the book comprises of five varied projects: a multiplayer Tic-tac-toe game; a real-time chat application, Let'sChat; a chatbot; a microservice-based buying-selling application; and a movie booking application. You will start each chapter with a high-level

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overview of the content, followed by the above example applications described in detail. By the end of each chapter, you will not only be proficient with the concepts, but you'll also have created a tangible component in the application. By the end of the book,

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*you will have built five solid projects
using all the tools and support
provided by the .NET Core 2.0
framework. What you will learn Build
cross-platform applications with
ASP.NET Core 2.0 and its tools
Integrate, host, and deploy web apps*

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with the cloud (Microsoft Azure)

*Leverage the ncurses native library to
extend console capabilities in .NET*

*Core on Linux and interop with native
coden .NET Core on Linux and learn*

how to interop with existing native

code Reuse existing .NET Framework

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*and Mono assemblies from .NET Core
2.0 applications Develop real-time web
applications using ASP.NET Core
Learn the differences between SOA
and microservices and get started with
microservice development using
ASP.NET Core 2.0 Walk through*

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functional programming with F# and .NET Core from scratch Who this book is for If you are a developer or architect and want to learn how to build cross-platform solutions using Microsoft .NET Core, this book is for you. It is assumed that you have some

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*knowledge of the .NET Framework,
OOP, and C# (or a similar
programming language).*

*Creating ASP.NET Core Web
Applications*

ASP.NET Core in Action

Build Career in Designing Cross-

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*Platform Web Applications Using
Razor and Entity Framework Core
(English Edition)*

*Build applications with C#, .NET
Core, Entity Framework Core,
ASP.NET Core, and ML.NET using
Visual Studio Code, 4th Edition*

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Professional C# 7 and .NET Core 2.0

ASP.NET Core Application

Development

ASP.NET Core Recipes

With .NET 5's ML.NET and

Programming ML.NET, any

Microsoft .NET developer can

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solve serious machine learning problems, increasing their value and competitiveness in some of today's fastest-growing areas of software development. World-renowned Microsoft development expert Dino Esposito covers everything you need to know

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about ML.NET, the machine learning pipeline, and real-world machine learning solutions development. Modeled on his popular Programming ASP.NET books, this guide takes the same scenario-based approach Microsoft's team used to build the

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ML.NET framework itself. Esposito presents and illuminates ML.NET's dedicated mini-frameworks ("ML Tasks") for specific classes of problems, and draws on personal experience to help developers apply these in the real world, where a problem's complexity

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can vary widely based on data availability or the specific results you need. In a full section on ML.NET neural networks, Esposito introduces key concepts and presents realistic examples you can reuse in your own applications. Along the way,

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Esposito also shows how to leverage powerful Python-based machine learning tools in the .NET environment. Programming ML.NET will help you add machine learning and artificial intelligence to your tool belt, whether you have a background in these high-

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*demand technologies or not.
Design, develop, and deploy a
real-world web application by
leveraging modern open source
technologies. This book shows
you how to use ASP.NET Core to
build cross-platform web
applications along with SignalR to*

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enrich the application by enabling real-time communication between server and clients. You will use Docker to containerize your application, integrate with GitHub to package the application, and provide continuous deployment to Azure's IaaS platform. Along the

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way, Real-Time Web Application Development covers topics including designing a Materialize CSS theme, using a test-driven development approach with xUnit.net, and securing your application with the OAuth 2.0 protocol. To further your

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understanding of the technology, you will learn logging and exception handling; navigation using view components; and how to work with forms and validations. The rich code samples from this book can be used to retrofit or upgrade

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*existing ASP.NET Core
applications. What You Will Learn
Design and develop a real-world
web application Implement
security and data storage with
OAuth2 and Azure Table Storage
Orchestrate real-time
notifications through SignalR Use*

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*GitHub and Travis CI for
continuous integration of code
Master Docker containerization
and continuous deployment with
Docker Cloud to Azure Linux
virtual machines Who This Book Is
For Developers and software
engineers interested in learning*

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*an end-to-end approach to
application development using
Microsoft technologies.*

*Learn to develop secure,
optimized, well-designed web
applications in ASP.NET Core and
get ready for job interviews. KEY
FEATURES ● Simplified*

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demonstration of ASP.NET Core UI and service development, with expert-led implementation. ● In-depth coverage on async programming, application security, and performance optimization. ● Interview guide with extensive questions based

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*on concepts and techniques
around application development.
DESCRIPTION ASP.NET Core for
JobSeekers is a practical resource
for application developers and
web developers who want to
advance their careers. This book
teaches you how to use ASP.NET*

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Core to create web applications without a prior understanding of web application development. We develop our first web application and demonstrate how to execute, debug, and deploy them using ASP.NET Core. We'll start by creating our first web pages with

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the Razor and then create a simple phonebook application. Next, you will be exposed to the MVC design pattern and explore the simplicity of developing web pages using Razor. Moving on, you learn to construct and consume restful services with

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ASP.NET Core. Concepts and techniques include async/await pattern, middlewares, programming a pipeline, redirecting requests, and intercepting requests and responses. This book also houses dependency injection techniques,

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action filters, accessing data using Entity Framework Core, and proven approaches for creating databases. Toward the end, you'll learn about some of the most important components, such as improving performance, choosing the right architecture for an

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application program, and answering a slew of interview questions about ASP.NET Core and application development.

WHAT YOU WILL LEARN ● *Learn to set up the application development environment around ASP.NET Core and other*

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frameworks. ● Expert tips for debugging and deploying ASP.NET Core projects. ● Create UI applications with Razor and service APIs. ● Workaround middleware and filters for programming the ASP.NET Core pipeline. ● Create asynchronous

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*programming code and configure
dependency injection services.*

*WHO THIS BOOK IS FOR If you're
interested in building cross-
platform, web, and cloud-native
apps, you must learn ASP.NET
Core and start building your
programs. Readers should have*

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basic knowledge of HTML and C#.

TABLE OF CONTENTS 1.

Introduction to ASP.NET Core 2.

*Setting Up the Development
Environment 3. Running,*

Debugging, and Deploying

ASP.NET Core Applications 4.

Introduction to HTTP, HTML, CSS,

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*and JavaScript 5. Developing
ASP.NET Core web applications
with Razor 6. Developing Restful
services with ASP.NET Core 7.
Async/await pattern and
middleware in ASP.NET Core 8.
Dependency injection and action
filters in ASP.NET Core 9. State*

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*Management in ASP.NET Core 10.
Introducing Accessing Data with
ASP.NET Core 11. Optimizing
ASP.NET Core Applications 12.
Securing ASP.NET Core
Applications 13. Introducing
Software Architectures 14.
Landing a job*

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Build your expertise as you move beyond the basics--and delve into the core topics of programming with ASP.NET 2.0. Useful to both experienced developers and those developing new skills, this ultimate reference is packed with expert guidance, hands-on

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programming instruction, and practical examples to help you advance your mastery of developing applications for the Web. Discover how to: Author rich, visually consistent pages and manage layout with themes and Master pages Create

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*personalized pages that persist
user preferences Retrieve,
modify, and manage data with
Microsoft ADO.NET Configure the
HTTP pipeline to serve ASP.NET
2.0 pages Control program flow
by tracing and handling
exceptions Design caching layers*

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and learn state management techniques to optimize application performance Manage users with membership control, registration, and authentication capabilities Build real-world data access layers using common design patterns Use custom

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*collections with data source
controls Learn the internals of
grid controls PLUS--Get code
samples on the Web*

*Programming ASP.NET Core,
Programming ASP.NET Core
Build modern web apps with
ASP.NET Core 2.0, MVC, and EF*

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Core 2

ASP.NET Core 5 for Beginners

Mobile Development with .NET

Programming Microsoft ASP.NET

2.0 Core Reference

Parallel Programming with C#

and .NET Core

Build intelligent apps, websites,

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*and services with Blazor, ASP.NET
Core, and Entity Framework Core
using Visual Studio Code*

*Learn the fundamentals of
ASP.NET MVC and build real-
world web applications
using ASP.NET Core MVC*

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About This Book Get a first-principles coverage of ASP.NET MVC and the latest release, Core This book is uniquely designed for developers who are looking to transition

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*their skills into the .NET
development field The
standalone chapter
structure leaves you free
to explore ASP.NET MVC to
immediately solve your
pain points Who This Book*

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*Is For This book is for
developers who want to
learn to build web
applications using ASP.NET
Core, developers who want
to make a career building
web applications using*

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Microsoft technology, and developers who are working in Ruby on Rails or other web frameworks and want to learn ASP.NET Core MVC. No knowledge of the ASP.NET platform or the .NET

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platform is required. Even though you do not need to have experience in C#, an understanding of the basic constructs (loops, conditionals, classes, and objects) of any modern

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*programming language would
be helpful. What You Will
Learn Get to know the
concepts of ASP.NET MVC
and build a new static web
page using HTML, CSS, and
jQuery Set up a*

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*development environment
and run a sample
application using the
template Create a
Controller with action
methods Build a view using
several features of the*

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*Razor View engine
Construct a Model for
ASP.NET Core MVC
application Devise a
custom mechanism to
provide maximum
flexibility to your*

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*application through
routing Validate the user
input on the client side
using jQuery Enhance your
applications using
Bootstrap Explore new
configuration and*

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*deployment scenarios—step
by step guide to deploying
ASP.NET Core web
application in Linux In
Detail ASP.NET Core MVC
helps you build robust web
applications using the*

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Model-View-Controller design. This guide will help you in building applications which can be deployed on non-windows platforms such as Linux. In today's age, it is

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crucial that you possess the ability to separate the programming and business logic, and this is exactly what ASP.NET Core MVC application will help you achieve. This

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version comes with a number of improvements that enable fast, TDD-friendly development to create sophisticated applications. You would also learn the

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*fundamentals of Entity
framework and on how to
use the same in ASP.NET
Core web applications. The
book presents the
fundamentals and
philosophies of ASP.NET*

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Core. Starting with an overview of the MVC pattern, we quickly dive into the aspects that you need to know to get started with ASP.NET. You will learn about the core

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*architecture of model,
view, and control.*

*Integrating your
application with*

*Bootstrap, validating user
input, interacting with
databases, and deploying*

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your application are some of the things that you will be able to execute with this fast-paced guide. The end of the book will test your knowledge as you build a fully

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*working sample application
using the skills you've
learned throughout the
book. Style and approach
This book takes a first-
principles approach to
help you understand and*

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*implement ASP.NET MVC
solutions. It is focused
primarily on giving you
practical skills rather
than the old conventional
theoretical teaching.
Fully updated for ASP.NET*

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MVC 3. Delve into the features, principles, and pillars of the ASP.NET MVC framework—deftly guided by web development luminary Dino Esposito. ASP.NET MVC forces developers to think

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*in terms of distinct
components—Model, View,
Controller—that make it
easier to manage
application complexity,
while allowing strict
control over the markup.*

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*Plunge into the
framework's internal
mechanics and gain
perspectives on how to use
this programming model
versus Web Forms, and
begin building your own*

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*MVC-based applications
quickly.*

*A comprehensive guide for
beginners to learn the key
concepts, real-world
applications, and latest
features of C# 10 and .NET*

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*6 with hands-on exercises
using Visual Studio 2022
and Visual Studio Code Key
Features Explore the newest
additions to C# 10, the
.NET 6 class library, and
Entity Framework Core*

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*6Create professional
websites and services with
ASP.NET Core 6 and
BlazorBuild cross-platform
apps for Windows, macOS,
Linux, iOS, and
AndroidBook Description*

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Extensively revised to accommodate all the latest features that come with C# 10 and .NET 6, this latest edition of our comprehensive guide will get you coding in C# with

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*confidence. You'll learn
object-oriented
programming, writing,
testing, and debugging
functions, implementing
interfaces, and inheriting
classes. The book covers*

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*the .NET APIs for
performing tasks like
managing and querying
data, monitoring and
improving performance, and
working with the
filesystem, async streams,*

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*and serialization. You'll
build and deploy cross-
platform apps, such as
websites and services
using ASP.NET Core.
Instead of distracting you
with unnecessary*

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application code, the first twelve chapters will teach you about C# language constructs and many of the .NET libraries through simple console applications. In later

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*chapters, having mastered
the basics, you'll then
build practical
applications and services
using ASP.NET Core, the
Model-View-Controller
(MVC) pattern, and Blazor.*

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*What you will learnBuild
rich web experiences using
Blazor, Razor Pages, the
Model-View-Controller
(MVC) pattern, and other
features of ASP.NET
CoreBuild your own types*

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*with object-oriented
programmingWrite, test,
and debug functionsQuery
and manipulate data using
LINQIntegrate and update
databases in your apps
using Entity Framework*

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*Core, Microsoft SQL
Server, and SQLiteBuild
and consume powerful
services using the latest
technologies, including
gRPC and GraphQLBuild
cross-platform apps using*

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*XAML*Who this book is for
Designed for both
beginners and C# and .NET
programmers who have
worked with C# in the past
and want to catch up with
the changes made in the

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past few years, this book doesn't need you to have any C# or .NET experience. However, you should have a general understanding of programming before you jump in.

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*Full-Stack Web Development
with .NET Core and Angular*