Getting Started With Meteor Js Javascript Framework

MeteorJS makes full-stack JavaScript Application Development simple – Learn how to build better modern web apps with MeteorJS, and become an expert in the innovative JavaScript framework About This Book Get your dream project up and running by building exceptional MeteorJS applications in a matter of days Learn how to integrate other JavaScript frameworks into your MeteorJS project and become an expert in full-stack development Go beyond coding and learn how to make modern design decisions – from mobile design to SEO – that drive great user experiences Who This Book Is For If you've already had some experience with MeteorJS but want to learn how to build even better modern web application, this book has been created for you. It provides you with a comprehensive look at one of those most important frameworks being used for the modern web today. What You Will Learn Get to grips with the basics and learn how to build a complete real-time application with MeteorJS Find out how Meteor makes full-stack development simple – become a better developer, fast. Use some of the most effective testing tools in modern web development to troubleshoot, debug and optimize your app Find out how to write custom packages for applications – so you can build your project exactly how you want Integrate React and Angular into your project Design and develop high quality animations that will give your UI the edge Build MeteorJS to serve as REST-based application and reactive system Learn how to host a MeteorJS application and then scale it for data Find out how MeteorJS can help you build for mobile Learn how to make sure you implement an effective SEO strategy in your MeteorJS application In Detail The web is dead – applications now rule our online experiences. But how are you going to build them? Well, if you've been paying attention, you might already have tried your hand with MeteorJS, the JavaScript framework that helps you build complete full-stack web applications that are responsive and fast with ease. Mastering MeteorJS Application Development shows you how to do even more with MeteorJS – if you're ready to try a comprehensive course through one of the most exciting frameworks in web development today, this is the book you need. Designed to take you through the entire process of building an advanced multipage application with Meteor, you'll be able to bring your web development ideas with surprising ease. You'll not only learn how Meteor makes web development easier, but also how you can make using Meteor easier, by automating and simplifying tasks so you can be confident you have full control of everything in your workflow – especially everything that could go wrong. From automated testing to integrating other useful frameworks such as Angular and D3, each chapter covers a crucial element in the Meteor development process. Discover how to integrate animations using Meteor's Blaze, to give your UI designs the edge, and explore reactive programming to effectively harness RESTful systems in your projects. You will also learn how to deploy and scale your application, two crucial aspects of modern development and vital in a changing digital environment with users expecting a product and experience that delivers. With further insights on developing for mobile – and how Meteor can help you tackle the challenges of the trend – and details on incorporating SEO strategies into your application, this book isn't just a code tutorial – it's about creating a product that users love. Style and approach This book is a practical guide that teaches you different ways to create custom packages, efficient client and server code, and more using Meteor. This book is packed with perfect examples and explanations to help you understand the concepts. With the perfect mix of theory and practical experience, it will equip you to become a professional MeteorJS developer.

Meteor is one of the most popular development platforms available today, allowing you to create and deploy mobile and web applications in a fraction of the time needed by other JavaScript frameworks. Getting Started with Meteor.js JavaScript Framework Second Edition is an easy to follow, step-by-step approach to learning how to build modern web applications with Meteor. You will begin with a look "under the hood" to see what makes Meteor so special.

Next, you will build a complete, working application from scratch, gaining a thorough understanding of Meteor's major features including: data on the wire, web templates, declarative programming, full-stack reactivity, modularity, third-party packages, and MongoDB/NoSQL databases. Finally, you will learn how to harden your app, prepare it for production release, and quickly deploy it using Meteor's public servers or your own custom server. With updated screenshots and code, this second edition will show you exactly why Meteor is the choice for rapid, elegant application development.

ABOUT THE BOOK Gain the knowledge you need to navigate your way confidently through the ever-expanding landscape of modern JavaScript technologies. With more than 100 Node.js frameworks available and the number rising every month, it is becoming increasingly difficult to avoid JavaScript fatigue and keep abreast of the developments that are most useful and relevant to your own projects. In such a saturated environment, the knowledge of exactly which tools will best fit your goals is invaluable. This book will guide you through the quagmire by clearly and comprehensively outlining the most practically useful Node frameworks, libraries, and tools, as well as how they might be employed in your own projects. You will learn about JavaScript frameworks, including such as Polymer, Webix, Aurelia, Svelte, and Meteor. This book will empower you to cut through the noise and learn how to achieve your career goals with the right tools meant especially for you. WHAT WILL YOU LEARN The what, why and how behind a variety of JavaScript Node frameworks, including Polymer, Aurelia, and Svelte How to choose the right Node framework for different types of projects How to ensure server-side optimization is done correctly, even if you are not a server admin Guide to such JS tools as Gulp, Grunt, and npm WHO IS THIS BOOK FOR Web developers looking to learn JavaScript; web development beginners; JavaScript developers; and frontend developers.

A complete course to learn MeteorJS step by step by building 10 real-world projects. About This Video Build apps that work on both mobile and the web using a single code base Understand and work with the MEAN stack technologies Make use of lightweight libraries that easily handle HTTP, databases and even client interaction In Detail MeteorJS is an open-source full-stack JavaScript App development platform that allows you to quickly develop web and mobile apps. It is not only easy to understand for a beginner, but also powerful enough for an experienced developer, as it enables rapid prototyping and can also produce cross-platform (web, Android, iOS) code. This course is designed by industry experts to give you the best possible understanding of how Meteor functions with hands-on experience. With this tutorial, not only will you learn the theoretical applications behind MeteorJS, but you will also gain real world experience by building 10 fully-functional projects, ranging from a simple To-Do app to a full-blown app that lets users search and post tech meet-ups. With this end-to-end course, you'll be able to get from a complete beginner in MeteorJS to a professional who can implement any kind of back-end solution as per the need.

Meteor (MeteorJS) Hands-on Workshop
Meteor Design Patterns
Pro Express.js
Meteor Cookbook
Learn Meteor - Node.js and MongoDB JavaScript platform
The Node Beginner Book

Meteor and React are a powerhouse combination. Meteor gives you a fast, easy-to-use solution for data management across clients and servers, and React gives you a way to structure your app's UI from reusable components. The combination allows you to create your dream apps: dynamic, data driven, and cross-platform. This project-based course walks you step-by-step through the development of a complete React/Meteor app for managing the players and performance of an international soccer team. Follow along with Emmanuel Henri as he shows

how to set up your development environment for the first time, develop a player view in React, use Meteor's back-end capabilities to code player and team logic, build charts to track player stats, and add user registration. Plus, learn how to keep your code secure with server methods and use CSS to style the final application.

Meteor is a full stack application platform that makes it easy to build powerful, real time Web apps quickly. Introducing Meteor guides you through building top-quality Web apps in a fraction of the time using an application platform built for the modern web. This book takes you from installing the development environment all the way through deploying a live app, and everything in between. Introducing Meteor covers how to build a prototype app in days instead of weeks; how to take advantage of reactive templates; leverage the hundreds of Smart Packages available; and employ best practices and avoid common errors made by beginners. Meteor gives you the tools you need to build better apps faster. Web apps have come a long way since the 1990s, but they still require a lot of time, specialized knowledge and complex setups. Introducing Meteor shows you a better way.

Rapid Prototyping with JS: Agile JavaScript Development is a hands-on book which introduces you to agile JavaScript web and mobile software development using the latest cutting-edge front-end and back-end technologies including: Node.js, Backbone.js, MongoDB and others. More information at http://rpjs.co. This book was borne out of frustration. I have been in software engineering for many years, and when I started learning Node.js and Backbone.js, I learned the hard way that their official documentation and the Internet lack in quick start guides and examples. Needless to say, it was virtually impossible to find all of the tutorials for JS-related modern technologies in one place. The best way to learn is to do, right? Therefore, I've used the approach of small simple examples, i.e., quick start guides, to expose myself to the new cool tech. After I was done with the basic apps, I needed some references and organization. I started to write this manual mostly for myself, so I can understand the concepts better and refer to the samples later. Then StartupMonthly and I taught a few 2-day intensive classes on the same subject -- helping experienced developers to jump-start their careers with agile JavaScript development. The manual we used was updated and iterated many times based on the feedback received. The end result is this book. What to Expect A typical reader of RPJS should expect a collection of quick start guides, tutorials and suggestions (e.g., Git workflow). There is a lot of coding and not much theory. All the theory we cover is directly related to some of the practical aspects, and essential for better understanding of technologies and specific approaches in dealing with them, e.g., JSONP and cross-domain calls. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You'll learn on the examples of Chat web/mobile applications starting with front-end components. There are a few versions of these applications, but by the end we'll put front-end and back-end together and deploy to the production environment. The Chat application contains all of the necessary components typical for a basic web app, and will give you enough confidence to continue developing on your own, apply for a job/promotion or build a startup! Who This Book is For The book is designed for advanced-beginner and intermediate-level web and mobile developers: somebody who has been (or still is) an expert in other languages like Ruby on Rails, PHP, Perl, Python or/and Java. The type of a developer who wants to learn more about JavaScript and Node.js related techniques for building web and mobile application prototypes fast. Our target user doesn't have time to dig through voluminous (or tiny, at the other extreme) official documentation. The goal of Rapid Prototyping with JS is not to make an expert out of a reader, but to help him/her to start building apps as soon as possible. Rapid Prototyping with JS: Agile JavaScript Development, as you can

tell from the name, is about taking your idea to a functional prototype in the form of a web or a mobile application as fast as possible. This thinking adheres to the Lean Startup30 methodology; therefore, this book would be more valuable to startup founders, but big companies' employees might also find it useful, especially if they plan to add new skills to their resumes. What This Book is Not Rapid Prototyping with JS is neither a comprehensive book on several frameworks, libraries or technologies (or just a particular one), nor a reference for all the tips and tricks of web development. Examples similar to ones in this book might be publicly available online. Even more so, if you're not familiar with fundamental programming concepts like loops, if/else statements, arrays, hashes, object and functions, you won't find them in Rapid Prototyping with JS.

Build a variety of cross-platform applications with the world's most complete full-stack JavaScript framework— Meteor About This Book Develop a set of real-world applications each exploring different features of Meteor Make your app more appealing by adding reactivity and responsiveness to it Work with the most powerful feature of Meteor—the "full stack reactivity"—through building real-time applications with many third party libraries Who This Book Is For If you are a developer who is looking forward to taking your application development skills with Meteor to next level by getting your hands-on different projects, this book is for you. What You Will Learn See how Meteor fits in the modern web application development by using its reactive data system Make your front-end behave consistently across environments by implementing a predictable state container with Redux Get familiar with React and overview of Angular 2 Add a map to your application with a real-time geolocation Plugin into Meteor social media APIs like Twitter's streaming and Facebook's Messenger Add search functionality from scratch to your existing app and data Add responsiveness with Bootstrap 4 and Google's Material Design using Less and Sass Distribute your data across machines and data centers by adding Apache Cassandra to your existing stack. Learn how to scale your microservices with the high performant language neutral framework gRPC. Learn how to query multiple data sources using GraphQL. In Detail This book starts with the basic installation and overview of the main components in Meteor. You'll get hands-on multiple versatile applications covering a wide range of topics from adding a front-end views with the hottest rendering technology React to implementing a microservices oriented architecture.All the code is written with ES6/7 which is the latest significantly improved JavaScript language. We'll also look at real-time data streaming, server to server data exchange, responsive styles on the front-end, full-text search functionality, and integration of many third-party libraries and APIs using npm. By the end of the book, you'll have the skills to quickly prototype and even launch your next app idea in a matter of days. Style and Approach This book takes an easy-to-follow project-based approach. Each project starts with the goal of what you will learn and an overview the technologies used.
Build Applications with Meteor
Learn Meteor - Node.js and MongoDB JavaScript Platform
Learn to build and deploy robust JavaScript applications using Cucumber, Mocha, Jenkins, Docker, and Kubernetes
Beginner Projects for the Amateur
THE INDEPENDENT MAGAZINE FOR THE UBUNTU LINUX COMMUNITY
Meteor: Full-Stack Web Application Development

Pro Express.js is for the reader who wants to quickly get up-to-speed with Express.js, the flexible Node.js framework. Author Azat Mardan clearly explains how to start developing with Express.js with a basic 'Hello World',

and then delves into a deep API reference, before looking at common and abstract development problems. Lastly, you will learn how to build a series of real-world apps in order to cement your knowledge. In order to get the best from this book, you will be familiar with Node.js scripts and able to install packages using npm. In the deep API reference, each aspect of the Express.js API is explained clearly with a simple exercise to demonstrate its usage. This includes configuration, settings and environments; different middleware and its uses; templating engines; extracting parameters and routing; request and response; error handling; and running an app. In the next part you'll delve into abstraction, streams, authentication, multithreading, Socket.io, security, and more complex modules. You will also learn about smaller frameworks built using Express.js, such as Sails.js, and Derby. Finally you'll build real-world apps including a REST API, Todo App, and Instagram gallery. Express.js is used by a range of well-known companies such as MySpace and Storify, and it's becoming more and more likely that it'll be a required skill for new developers. With this book you can skip learning via complicated documentation, and get the information from a developer who's been using Express.js for long enough to explain things well. Add Pro Express.js to your library today.
If you are a web developer with basic knowledge of JavaScript and want to take on Web 2.0, build real-time applications, or simply want to write a complete application using only JavaScript and HTML/CSS, this is the book for you. This book is based on Meteor 1.0.
Tired of trying to learn how to program? Ready to ACTUALLY learn how to program?If you've attempted to learn how to program in the past, but hadn't had much success then give "JavaScript Programming" a try. It will teach you exactly what you need to know about programmingin the world's most widely used scripting language in existence today. It will start you at the beginning and allow you to build upon what you've learned along the way.Learn JavaScript Once, Use it Over and Over Again...Even though JavaScript is by far the most popular client side programming language in use today, it can and is used on the server side as well. Node.js, Meteor, Wakanda, CouchDB, and MongoDB are just a few examples of where you'll find and be able to use JavaScript on the server side. The time you invest in learning JavaScript can be doubly rewarding as JavaScript keeps moving into more and more areas of computing.If you're looking to level up your career, JavaScript is an invaluable skill to to have.JavaScript skills are in high demand and they need for people who can program JavaScript will only increase. If you're looking to break into a tech job, what better skill to have on your resume than something that can be used practically anywhere?Want to work on the "front-end" of websites? Learn JavaScript.Ready to tackle back-end programming for network intensive web apps? Learn JavaScript.Want to work on the latest database technologies available today? Then learn JavaScript.Learn JavaScript the right way - once and for all...No matter if you plan to use JavaScript on the client side in a web browser, on the server side, or both, you will need to

learn the fundamentals of the language. That's what this book will give you. When you finish reading this book you will feel comfortable and confident programming in the JavaScript language.Here is just some of what you'll learn when you read JavaScript Programming: How to setup your computer -- including the exact tools and software you'll need -- to start programming in JavaScript today. What HTML is and why you should care. All about JavaScript variables. Math is fun. Or even if it isn't, you'll learn how to perform mathematical operations and put them to use in your programs. How and when to use conditionals. How to handle code that you want to run multiple times. (Hint: You're going to learn all about functions.) Object Oriented programming fundamentals. Much more... Scroll up and buy now so you can get started learning JavaScript today!

*This month: * Command & Conquer * How-To : Run Android Apps in Ubuntu, LibreOffice, Using LaTeX, and Programming JavaScript * Graphics : Inkscape.* Chrome Cult * Linux Labs: IP Camera with Powerline Adapter* Ubuntu Phones * Review: KDE Plasma 5* Ubuntu Games: This War of Mineplus: News, Arduino, Q&A, and soooo much more.*

Socket.IO Cookbook

From Concept to Implementation to Real-World Solutions

Building Real-World Scalable Web Apps

Full-Stack React Projects

Meteor in Action

A Beginners Guide to the Javascript Programming Language

Learn how to build a wide range of scalable real-world web applications using a professional development toolkit. If you already know the basics of Node.js, now is the time to discover how to bring it to production level by leveraging its vast ecosystem of packages.With this book, you'll work with a varied collection of standards and frameworks and see how all those pieces fit together. Practical Node.js takes you from installing all the necessary modules to writing full-stack web applications. You'll harness the power of the Express.js and Hapi frameworks, the MongoDB database with Mongoskin and Mongoose. You'll also work with Pug and Handlebars template engines, Stylus and LESS CSS lanaguages, OAuth and Everyauth libraries, and the Socket.IO and Derby libraries, and everything in between. This exciting second edition is fully updated for ES6/ES2015 and also covers how to deploy to Heroku and AWS, daemonize apps, and write REST APIs. You'll build full-stack real-world Node.js apps from scratch, and also discover how to write your own Node.js modules and publish them on NPM. You already know what Node.js is; now learn what you can do with it and how far you can take it! What You'll Learn Manipulate data from the

mongo console Use the Mongoskin and Mongoose MongoDB libraries Build REST API servers with Express and Hapi Deploy apps to Heroku and AWS Test services with Mocha, Expect and TravisCI Utilize sessions for authentication Implement a third-party OAuth strategy with Everyauth Apply Redis, domains, WebSockets, and clusters Write your own Node.js module, and publish it on NPM Who This Book Is For Web developers who have some familiarity with the basics of Node.js and want to learn how to use it to build apps in a professional environment.

Strengthen your applications by adopting Test-Driven Development (TDD), the OpenAPI Specification, Continuous Integration (CI), and container orchestration. Key FeaturesCreate production-grade JavaScript applications from scratchBuild microservices and deploy them to a Docker container for scaling applicationsTest and deploy your code with confidence using Travis CIBook Description With the over-abundance of tools in the JavaScript ecosystem, it's easy to feel lost. Build tools, package managers, loaders, bundlers, linters, compilers, transpilers, typecheckers - how do you make sense of it all? In this book, we will build a simple API and React application from scratch. We begin by setting up our development environment using Git, yarn, Babel, and ESLint. Then, we will use Express, Elasticsearch and JSON Web Tokens (JWTs) to build a stateless API service. For the front-end, we will use React, Redux, and Webpack. A central theme in the book is maintaining code quality. As such, we will enforce a Test-Driven Development (TDD) process using Selenium, Cucumber, Mocha, Sinon, and Istanbul. As we progress through the book, the focus will shift towards automation and infrastructure. You will learn to work with Continuous Integration (CI) servers like Jenkins, deploying services inside Docker containers, and run them on Kubernetes. By following this book, you would gain the skills needed to build robust, production-ready applications. What you will learnPractice Test-Driven Development (TDD) throughout the entire bookUse Cucumber, Mocha and Selenium to write E2E, integration, unit and UI testsBuild stateless APIs using Express and ElasticsearchDocument your API using OpenAPI and SwaggerBuild and bundle front-end applications using React, Redux and WebpackContainerize services using DockerDeploying scalable microservices using KubernetesWho this book is for

If you're a JavaScript developer looking to expand your skillset and become a senior JavaScript developer by building production-ready web applications, then this book is for you.

This book is meant for developers of all experience levels looking to create mobile and full-stack web applications in JavaScript. Many of the simple recipes can easily be followed by less-experienced developers, while some of the advanced recipes will require extensive knowledge of existing web, mobile, and server technologies. Any application or enterprise web developer looking to create full-stack JavaScript-based apps will benefit from the recipes and concepts covered in this book.

Socket.io Real-time Web Application Development.

Learn MERN stack development by building modern web apps using MongoDB, Express, React, and Node.js, 2nd Edition

Learn MeteorJS By Building 10 Real World Projects

Building Isomorphic JavaScript Apps

The Definitive Guide to Backbone (backbone.js)

Instant Handlebars.js

JavaScript Series

Packed with exercises which build up into a full project, this concise resource provides you with the tools you need to code your first Meteor application. --
Learn how to build scalable APIs using the Node.js platform and ES6 (EcmaScript 2015) with this quick, informative guide. Developing systems for the wide range of devices available in the modern world requires the construction of APIs designed to work only with data in a centralized manner, allowing client-side applications to be developed separately and have a unique interface for the final user. Node.js has proven itself to be an excellent platform for building REST APIs because of its single-thread architecture. It has a low learning curve and can be understood by anyone who has a basic understanding of the JavaScript language. Use Building APIs with Node.js today to understand how Node.js APIs work, and how you can build your own. What You Will Learn Build scalable APIs using the Node.js platform Use ES6, Express, Passport, ApiDoc, Mocha, Helmet and more Integrate an SQL database through Sequelize.js and build a single page application using Vanilla.js Who This Book Is For Ideal for developers who have a basic understanding of JavaScript and Node.js.

Isomorphic JavaScript, often described as the holy grail of web application development, refers to running JavaScript code on both the browser client and web application server. This application architecture has become increasingly popular for the benefits of SEO, optimized page load and full control of the UI, and isomorphic libraries are being used at companies like Walmart, Airbnb, Facebook, and Netflix. With this practical book, authors Jason Strimpel and Maxime Najim provide the knowledge you need to build and maintain your own isomorphic

JavaScript apps. This book includes: Part 1 identifies different classifications of isomorphic JavaScript apps, and shows you how to set up a development environment Part 2 takes you from theory to practice by showing you how to build out your own isomorphic app Part 3 takes you through existing solutions in the market today, providing you with the knowledge you need to bring isomorphic solutions into your development workflow

Learn in easy stages how to rapidly build leading-edge web applications from scratch. About This Book Develop powerful web applications rapidly with WordPress Explore the significant features and improvements introduced in WordPress 4.7 by learning the numerous tips and techniques in this book. Unleash the power of REST API endpoints to make your interaction with websites new and innovative. Who This Book Is For This book is targeted at WordPress developers and designers who want to develop quality web applications within a limited time frame and maximize their profits. A prior knowledge of basic web development and design is assumed. What You Will Learn Develop extendable plugins with the use of WordPress features in core modules Develop pluggable modules to extend the core features of WordPress as independent modules Manage permissions for a wide range of content types in web applications based on different user types Follow WordPress coding standards to develop reusable and maintainable code Build and customize themes beyond conventional web layouts Explore the power of core database tables and understand the limitations when designing database tables for large applications Integrate open source modules into WordPress applications to keep up with the latest open source technologies Customize the WordPress admin section and themes to create the look and feel of a typical web application In Detail WordPress is one of the most rapidly expanding markets on the Web. Learning how to build complex and scalable web applications will give you the ability and knowledge to step into the future of WordPress. WordPress 4.7 introduces some exciting new improvements and several bug fixes, which further improve the entire development process.This book is a practical, scenario-based guide to expanding the power of the WordPress core modules to develop modular and maintainable real-world applications from scratch. This book consistently emphasizes adapting WordPress features into web applications. It will walk you through the advanced usages of existing features such as access controlling; database handling; custom post types; pluggable plugins; content restrictions; routing; translation; caching; and many more, while you build the backend of a forum management application. This book begins by explaining how to plan the development of a web application using WordPress' core features. Once the core features are explained, you will learn how to build an application by extending them through custom plugin development. Finally, you will explore advanced non-functional features and application integration. After reading this book, you will have the ability to develop powerful web applications rapidly within limited time frames. Style and approach An extensive, practical guide that explains how to adapt WordPress features, both conventional and trending, for web applications.

Getting the Most out of Node.js Frameworks

The Essential Tools and Libraries

Be Ready for Coding Away Next Week Using Meteor

Socket. IO Real-Time Web Application Development

Full Circle Magazine #97

Learn Vue.js by building 6 web apps

With the almost constant scaling of applications and environments, the need for good logging practices has likewise scaled exponentially. This book will help you understand the value of logging, the best practices for logs and introduce you to a number of tech stacks including languages and frameworks. It's the ultimate resource for jumping into a new language or discovering new tricks in a familiar one. And you'll learn the value that centralized logging brings on scale. All proceeds from this book will be donated by Scalyr to Girls Who Code

If you've already watched Ahmed Yasser's Meteor course here on O'Reilly , or you already know the basics of Meteor, take this hands-on course. The best way to learn is to practice, and in this course you will follow along with Ahmed and apply all of the Meteor concepts and and also use related tools to build a complete application.

You're a developer who knows nothing to Meteor. Which is fine, except that you need to start coding your next application using Meteor. Don't worry: I have you covered. I've been training hundreds of developers like you during 15 years, and converted my experience into this book. I know from experience teaching what takes more time to learn in Meteor, and will spend time only where appropriate. Plus this book is packed with exercises which build up into a full project: you develop a small e-commerce application. You'll allow users to browse for products, add them to their basket, and you'll also create a full back-end where the site administrators will be able to list, create, modify, and delete products. Read this book, and you can code your Meteor application within a week.

Radio astronomy is a mystery to the majority of amateur astronomers, yet it is the best subject to turn to when desirous of an expanded knowledge of the sky. This guide intends to instruct complete newcomers to radio astronomy, and provides help for the first steps on the road towards the study of this fascinating subject. In addition to a history of the science behind the pursuit, directions are included for four easy-to-build projects, based around long-term NASA and Stanford Solar Center projects. The first three projects constitute self-contained units available as kits, so there is no need to hunt around for parts. The fourth – more advanced – project encourages readers to do their own research and track down items. Getting Started in Radio Astronomy provides an overall introduction to listening in on the radio spectrum. With details of equipment that really works, a list of suppliers, lists of online help forums, and written by someone who has actually built and operated the tools described, this book contains everything the newcomer to radio astronomy needs to get going.

Wordpress Web Application Development

Javascript Programming

The Scalyr Guide to Getting Started Logging as Quickly as Possible

Building APIs with Node.js

Getting the Most Out of Node. Js Frameworks

Building Single-page Web Apps with Meteor

Get to grips with a new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. This book is a step-by-step guide to installing and creating your own JavaScript templates using Handlebars.js.This book is aimed at people who have a general knowledge of JavaScript and HTML. No knowledge of templating engines is required.

If you want to build your site's frontend with the single-page application (SPA) model, this hands-on book shows you how to get the job done with Backbone.js. You'll learn how to create structured JavaScript applications, using Backbone's own flavor of model-view-controller (MVC) architecture. Start with the basics of MVC, SPA, and Backbone, then get your hands dirty building sample applications—a simple Todo list app, a RESTful book library app, and a modular app with Backbone and RequireJS. Author Addy Osmani, an engineer for Google's Chrome team, also demonstrates advanced uses of the framework. Learn how Backbone.js brings MVC benefits to the client-side Write code that can be easily read, structured, and extended Work with the Backbone.Marionette and Thorax extension frameworks Solve common problems you'll encounter when using Backbone.js Organize your code into modules with AMD and RequireJS Paginate data for your Collections with the Backbone.Paginator plugin Bootstrap a new Backbone.js application with boilerplate code Use Backbone with jQuery Mobile and resolve routing problems between the two Unit-test your Backbone apps with Jasmine, QUnit, and SinonJS

This book is an updated and improved project-based guide to help you extend the capabilities of React into building full-stack projects by exploring the industry-tested MERN stack. Starting from the set up for your full-stack apps, you will learn to create the front end, back end, and everything in between by building fun and engaging projects.

Revitalized by Ruby on Rails, the Ruby language continues to grow in popularity. Books like this are necessary to fill the demand. Here is a classic of its kind; required reading for Ruby programmers who have already mastered the basics and want to learn higher level techniques. Practical Ruby Projects presents nine diverse projects that will teach new and innovative techniques in a learn-by-example fashion. They include a turn-based adventure game and a generative music creator. While there are many other Ruby titles, none of them take this unique project-based approach to teaching.

Practical Ruby Projects

Introducing Meteor

Ideas for the Eclectic Programmer

Rapid Prototyping with JS

Building an App with React.js and MeteorJS.

Getting Started with Meteor.js JavaScript FrameworkPackt Publishing Ltd

Summary Meteor in Action teaches you full-stack web development using the Meteor platform. It starts with an overview of a Meteor application, revealing the unique nature

of Meteor's end-to-end application model. Then you'll dive into the Blaze templating engine, discover Meteor's reactive data sources model, learn simple and advanced routing techniques, and practice managing users, permissions, and roles. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book You might call Meteor a reactive, isomorphic, full-stack web development framework. Or, like most developers who have tried it, you might just call it awesome. Meteor is a JavaScript-based framework for both client and server web and mobile applications. Meteor applications react to changes in data instantly, so you get impossibly responsive user experiences, and the consistent build process, unified front- and back-end package system, and one-command deploys save you time at every step from design to release. Meteor in Action teaches you full-stack web development with Meteor. It starts by revealing the unique nature of Meteo's end-to-end application model. Through real-world scenarios, you'll dive into the Blaze templating engine, discover Meteor's reactive data sources model, learn routing techniques, and practice managing users, permissions, and roles. Finally, you'll learn how to deploy Meteor on your server and scale efficiently. What's Inside Building your first real-time application Using MongoDB and other reactive data sources Creating applications with Iron Router Deploying and scaling your applications About the Reader Readers need to know the basics of JavaScript and understand general web application design. About the Authors Stephan Hochhaus and Manuel Schoebel are veteran web developers who have worked with Meteor since its infancy. Table of Contents PART 1 LOOK—A SHOOTING STAR! A better way to build apps My fridge! A reactive gamePART 2 3, 2, 1—IMPACT! Working with templates Working with data Fully reactive editing Users, authentications, and permissions Exchanging data Routing using Iron.Router The package system Advanced server methods PART 3 LEAVING THE CRATER Building and debugging Going into production

Over 40 recipes to help you create real-time JavaScript applications using the robust Socket.IO framework About This Book Create secure WebSocket connections and real-time mobile applications using Socket.IO Devise efficient messaging systems between the server side and the client side A step-by-step implementation guide to help you create elements of Socket.IO application Who This Book Is For If you have some knowledge of JavaScript and Node.js and want to create awe-inspiring application experiences using real time communication, then this book is for you. Developers with knowledge of other scripting languages should also be able to easily follow along. What You Will Learn Build rich and interactive real-time dashboards using Socket.IO to pipe in data as it becomes available Design chat and multiple-person interfaces that leverage Socket.IO for communication Segment conversations to rooms and namespaces so that every socket doesn't have to receive every message Secure your data by implementing various authentication techniques, locking down the HTTP referrer and using secure WebSockets Load balance across multiple server-side nodes and keep your WebSockets in sync using Redis, RabbitMQ or Memcached Stream binary data such as audio and video in real-time over a Socket.IO connection Create real-time experiences outside of the browser by integrating Socket.IO with hybrid mobile applications In Detail Socket.IO is a JavaScript library that provides you with the ability to implement real-time analytics, binary streaming, instant messaging, and document collaboration. It has two parts: a client-side library that runs in the browser, and a server-side library for node.js. Socket.IO is event-driven and primarily uses the WebSocket protocol that allows us to emit data bi-directionally from the server and the client. Socket.IO This book is a complete resource, covering topics from webSocket security to scaling the server-side of a Socket.IO application and everything in between. This book will provide real-world

examples of how secure bi-directional, full-duplex connections that can be created using Socket.IO for different environments. It will also explain how the connection vulnerabilities can be resolved for large numbers of users and huge amounts of data/messages. By the end of the book, you will be a competent Socket.IO developer. With the help of the examples and real-world solutions,you will learn to create fast, scalable, and dynamic real-time apps by creating efficient messaging systems between the server side and the client side using Socket.IO. Style and approach This book is written in a cookbook-style format and provides practical, immediately usable task-based recipes that show you how to create the elements of a Socket.IO application. "MeteorJS is an open-source full-stack JavaScript App development platform that allows you to quickly develop web and mobile apps. It is not only easy to understand for a beginner, but also powerful enough for an experienced developer, as it enables rapid prototyping and can also produce cross-platform (web, Android, iOS) code. This course is designed by industry experts to give you the best possible understanding of how Meteor functions with hands-on experience. With this tutorial, not only will you learn the theoretical applications behind MeteorJS, but you will also gain real world experience by building 10 fully-functional projects, ranging from a simple To-Do app to a full-blown app that lets users search and post tech meet-ups. With this end-to-end course, you'll be able to get from a complete beginner in MeteorJS to a professional who can implement any kind of back-end solution as per the need."--Resource description page. Developing Backbone.js Applications Agile JavaScript Development Practical Node.js With quick-start guides to logging in Java, Log4j2, PHP, Ruby, Rails, Swift, Scala, Django, Angular, & Meteor Master Express.js: The Node.js Framework For Your Web Development Getting Started with Knockout.js for .NET Developers

This book is intended for .NET developers who want to use the MVVM design pattern to create powerful client-side JavaScript linked to server-side C# logic. Basic experience with ASP.NET, Razor, and creating web applications is needed.

A project-based, practical guide to get hands-on into Vue.js 2.5 development by building beautiful, functional and performant web applications About This Book Build exciting real world web projects from scratch and become proefficient with Vue.js Web Development Take your app to the next level with animation, routing, state management, server-side rendering and i18n Learn professional web programming techniques to supercharge your Vue.js projects Who This Book Is For If you are a web developer who now wants to create rich and interactive professional applications using Vue.js, then this book is for you. Prior knowledge of JavaScript is assumed. Familiarity with HTML, Node.js, and tools such as npm and webpack will be helpful but not necessary. What You Will Learn Set up a full Vue.js npm project with the webpack build tool and the official scaffolding tool, vue-cli Write automatically updated templates with directives to create a dynamic web application Structure the app with reusable and maintainable components Create delightful user experiences with animations Use build tools and preprocessor to make larger professional applications Create a multi-page application with the official Vue.js routing library Integrate non-Vue.js elements into your apps like Google

Maps Use the official state-management library to prevent errors Optimize your app for SEO and performance with server-side rendering and internationalization In Detail Do you want to make your web application amazingly responsive? Are you unhappy with your app's performance and looking forward to trying out ways to make your app more powerful? Then Vue.js, a framework for building user interfaces, is a great choice, and this book is the ideal way to put it through its paces. This book's project-based approach will get you to build six stunning applications from scratch and gain valuable insights in Vue.js 2.5. You'll start by learning the basics of Vue.js and create your first web app using directives along with rich and attractive user experiences. You will learn about animations and interactivity by creating a browser-based game. Using the available tools and preprocessor, you will learn how to create multi-page apps with plugins. You will create highly efficient and performant functional components for your app. Next, you will create your own online store and optimize it. Finally, you will integrate Vue.js with the real-time Meteor library and create a dashboard showing real-time data. By the end of this book you will have enough skills and will have worked through enough examples of real Vue.js projects to create interactive professional web applications with Vue.js 2.5. Style and approach Project-based guide that will help you start building applications immediately with an easy to follow approach. Our book will have 6 concrete projects. It will take readers through clear and logical steps, with screenshots and tips along the way to help you follow the guide and learn how to get more from Vue.js. Accelerate your code writing skills with over twenty programming patterns that will make your code easier to maintain and scale About This Book Optimize your web application for production use Build views and controllers with minimal effort that will evolve with your application Learn how to maintain a MeteorJS project while it is running in production Who This Book Is For This book is for developers who have already had an introductory course with Meteor. Basic knowledge of web development is recommended. What You Will Learn Use of Jade, Stylus, and CoffeeScript to speed up web development Increase productivity by leveraging the best packages in the community Optimize your site for load speed with advanced publishers and subscribers Leverage the aggregation framework to produce results with big data Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more Optimize your site for search engine visibility Secure your site with Meteor's best practices Track the live status of your application, ensuring all errors have been taken care of In Detail With the increasing interest in NodeJS web applications, a new framework, Meteor, has joined the ranks to simplify developer workflows. Meteor is one of the few open source frameworks that has received funding since its early development stages. It builds on ideas from existing frameworks and libraries, offering developers an easy way to develop a prototype app. At the same time, it gives them the tools and flexibility to build a fully fledged production app. Meteor is the weapon of choice for start-ups in today's world. Meteor Design Patterns cuts through the jargon that most websites play with and gets to the point with simple solutions

that will boost your development skills. We start off with a refresher on the basics of JavaScript programming such as templates, CoffeeScript, the Event Loop, and the Merge Box, amongst others. You then learn how to map real-world data and optimize the data's publishers to output data with the least amount of work done by the server with some subscribe and publish patterns. Next, using front-end patterns, you will learn how to create maintainable and trackable forms, and make our site crawlable by any search engine. Following this, you will see how to optimize and secure the web application and maintain applications without breaking other features. Finally, you will learn how to deploy a secure production-ready application while learning to set up modulus, compose with Oplog tracking and SSL certificates, as well as error tracking with Kadira. Throughout the book, you will put your skills to practice and build an online shop from scratch. By the end of the book, you will have built a feature-rich online shop. Style and approach The book is a practical handbook on how to build an e-commerce web app using Meteor. Every topic ties into the webapp to easily illustrate the concepts that you are learning about. Learn how to create mobile and full-stack web applications in JavaScript by getting a deeper insight into Meteor About This Book This step-by-step tutorial will show you how to build fast, complex web applications Over 65 hands-on recipes help you build and deploy elegant web applications Optimize your web application for production use Who This Book Is For If you are a web developer who is familiar with Meteor and has basic knowledge of web development, and you now want to explore new paradigms of single-page, real-time applications, this course is perfectly suited for you. What You Will Learn Secure your site with Meteor best practices Create reactive templates that update themselves when data changes Add routing to a single-page application and make it appear like a real website Make your own Meteor packages and see how to make them public Rapidly build robust, responsive user interfaces Publish your own reusable custom packages Optimize your site for load speed with advanced publishers and subscribers Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more Leverage the aggregation framework to produce results with big data Optimize your site for search engine visibility In Detail Meteor is best JavaScript development platform and is packed with collections of libraries and packages bound together in a tidy way to take care of everything from development to production, making your web development easier. This course follows a learning path divided into three modules. Each module is a mini course in its own right, taking your knowledge to a new level as you progress. The first module takes you from the installation of Meteor to building a fully working web blog (including back end) to create and edit posts. Your path will begin with the basic concepts and folder structure of a Meteor project, learning how Meteor templates work to test packages, and seeing the application itself. The second module is a cookbook that starts with simple recipes designed for quick reference, and culminating advanced recipes that walk you through building and deploying a complete application. The cookbook covers all the major areas of Meteor development, including lesser-known and undocumented features

too. With all the important concepts covered in the previous modules, the third module will get you equipped with simple solutions to boost your development skills. You'll learn about mapping of real-world data and optimizing it, how to optimize and secure web applications and how to deploy and maintain it without breaking its features. Throughout the module, you will put your skills into practice and build an online shop from scratch. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Building Single-page Web Apps with Meteor, Fabian Vogelsteller Meteor Cookbook, Isaac Strack Meteor Design Patterns, Marcelo Reyna Style and approach This practical handbook has a step-by-step approach to help you improve your developer skills and efficiently built web applications using Meteor.
Building Enterprise JavaScript Applications
Getting Started with Meteor.js JavaScript Framework
Learn MeteorJS by Building 10 Real World Projects
Mastering MeteorJS Application Development
Hands-on Scala Programming: Learn Scala in a Practical, Project-Based Way
Getting Started in Radio Astronomy
Master Meteor (MeteorJS) and build powerful prototypes and develop cross-platform (iOS, Android, Web) code. There are ten topics within this course which cover this powerful JavaScript web framework written in Node.js: Introducing Meteor . Be able to explain Meteor and its functionality in this first topic in the MeteorJS course. Follow along with Ahmed and install all of the necessary software. Meteor Collections and Schemas . Practice creating and using collections and schemas in this second topic in the MeteorJS course. Apply one use of collections which is to access MongoDB data. Meteor Subscription and Publication . Apply subscription and publication in this third topic in the MeteorJS course. Meteor Methods . Practice creating and using methods in this fourth topic in the MeteorJS course. Follow along with Ahmed and apply security and error handling using methods. Routing in Meteor . Apply routing in this fifth topic in the MeteorJS course. Follow along with Ahmed and install the necessary packages and then practice routing functionality. Introducing Blaze . Install and apply Blaze in this sixth topic in the MeteorJS course. Follow along with Ahmed and create user interfaces using this powerful library. Introducing Vue . Install and apply Vue in combination with Meteor in this seventh topic in the MeteorJS course. Follow along with Ahmed and create user interfaces using this powerful library. Managing Users and their Accounts in Meteor . Manage users and their accounts

in Meteor in this eighth topic in the MeteorJS course. Follow along with Ahmed and practice applying user processes in Meteor such as password resets. Building a Complete Application in Meteor . Apply all of the techniques learned so far in the class and build a complete application in Meteor in this ninth topic in the MeteorJS course. Meteor Course Summary . Key learnings are recapped in this tenth topic in the MeteorJS course.

Hands-on Scala teaches you how to use the Scala programming language in a practical, project-based fashion. This book is designed to quickly teach an existing programmer everything needed to go from "hello world" to building production applications like interactive websites, parallel web crawlers, and distributed systems in Scala. In the process you will learn how to use the Scala language to solve challenging problems in an elegant and intuitive manner.

Vue.js 2 Web Development Projects

Web Development Series