Nodejs Wordpress

The Jamstack Book is a comprehensive, hands-on guide to developing standards-based static websites using JavaScript, APIs, and standard HTML markup Building websites with simple, straightforward standards can feel like a breath of fresh air. Jamstack sites use JavaScript, APIs, and Markup to create fast, dynamic pages without the overhead of heavyweight frameworks. The Jamstack Book is your essential guide to this exciting new web architecture. The Jamstack Book is a comprehensive, hands-on guide to developing standards-based static websites using JavaScript, APIs, and standard HTML markup. In each chapter, you'll build a new project, creating a portfolio of Jamstack-architecture sites that range from a simple blog to an eCommerce store. You'll learn how to lay out and generate a site, deploy to the cloud, and add dynamic features like user logins and search functionality. Along the way, you'll try out a variety of lightweight tools, including Hugo, Jekyll, Eleventy, and Netlify. By the time you're finished, you'll be ready to build fast and secure static sites and migrate your existing websites to Jamstack! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

This is a different book format for game development -- unlike anything you have seen. As I create a generic game in html5 using phaser.js framework, **you develop your own game** by simply following and translating my easy concepts into your own game design. **When you complete this workbook, unlike other game development books, you will have your own game, not a game of the author's.** For example, if you have never created an online game in html5 and JavaScript, you might like to start with chapters 1 through 3 while a seasoned game

developer might like chapters 4, 8, 11 and the appendix. The workbook's **appendix is a resource dictionary with all the open-source free assets on the Internet.** Each chapter guides you in [my decision/design process](http://www.stephen-gose.com) you see why I am choosing various business and software results -- all of this in well-commented source code so you can get it right away. In summary, you complete your own exciting game in your selected genre using the free open source Phaser JavaScript Gaming Framework and other JavaScript tools following this step-by-step workbook. The power of the Phaser JavaScript Framework is yours. Get hands-on recipes to automate and manage Linux containers with the Docker 1.6 environment and jump-start your Puppet development About This Book Successfully deploy DevOps with proven solutions and recipes Automate your infrastructure with Puppet and combine powerful DevOps methods Deploy and manage highly scalable applications using Kubernetes streamline the way you manage your applications Who This Book Is For This Learning Path is for developers, system administrators, and DevOps engineers who want to use Puppet, Docker, and Kubernetes in their development, QA, or production environments. This Learning Path assumes experience with Linux administration and requires some experience with command-line usage and basic text file editing. What You Will Learn Discover how to build high availability Kubernetes clusters Deal with inherent issues with container virtualization and container concepts Create services with Docker to enable the swift development and deployment of applications Make optimum use of Docker in a testing environment Create efficient manifests to streamline your deployments Automate Puppet master deployment using Git hooks, r10k, and PuppetDB In Detail With so many IT management and DevOps tools on the market, both open source and commercial, it's difficult

to know where to start. DevOps is incredibly powerful when implemented correctly, and here's how to get it done.This Learning Path covers three broad areas: Puppet, Docker, and Kubernetes. This Learning Path is a large resource of recipes to ease your daily DevOps tasks. We begin with recipes that help you develop a complete and expert understanding of Puppet's latest and most advanced features. Then we provide recipes that help you efficiently work with the Docker environment. Finally, we show you how to better manage containers in different scenarios in production using Kubernetes. This course is based on these books: Puppet Cookbook, Third Edition Docker Cookbook Kubernetes Cookbook Style and approach This easy-to-follow tutorial-style guide teaches you precisely how to configure complex systems in Puppet and manage your containers using Kubernetes.
Building Your Next Big Thing with Google Cloud Platform shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Google is known for the scalability, reliability, and efficiency of its various online products, from Google Search to Gmail. And, the results are impressive. Google Search, for example, returns results literally within fractions of second. How is this possible? Google custom-builds both hardware and software, including servers, switches, networks, data centers, the operating system's stack, application frameworks, applications, and APIs. Have you ever imagined what you could build if you were able to tap the same infrastructure that Google uses to create and manage its products? Now you can!

Building Your Next Big Thing with Google Cloud Platform shows you how to take advantage of the Google Cloud Platform technologies to build all kinds of cloud-hosted software and services for both public and private consumption. Whether you need a simple virtual server to run your legacy application or you need to architect a sophisticated high-traffic web application, Cloud Platform provides all the tools and products required to create innovative applications and a robust infrastructure to manage them. Using this book as your compass, you can navigate your way through the Google Cloud Platform and turn your ideas into reality. The authors, both Google Developer Experts in Google Cloud Platform, systematically introduce various Cloud Platform products one at a time and discuss their strengths and scenarios where they are a suitable fit. But rather than a manual-like "tell all" approach, the emphasis is on how to Get Things Done so that you get up to speed with Google Cloud Platform as quickly as possible. You will learn how to use the following technologies, among others: Google Compute Engine Google App Engine Google Container Engine Google App Engine Managed VMs Google Cloud SQL Google Cloud Storage Google Cloud Datastore Google BigQuery Google Cloud Dataflow Google Cloud DNS Google Cloud Pub/Sub Google Cloud Endpoints Google Cloud Deployment Manager Author on Google Cloud Platform Google APIs and Translate API Using real-world examples, the authors first walk you through the basics of cloud computing, cloud terminologies and public cloud services. Then they dive right into Google Cloud Platform and how you can use it to tackle your challenges, build new products, analyze big data, and much more. Whether you're an independent developer, startup, or Fortune 500 company, you have never had easier to access to world-class production, product development, and infrastructure tools. Google Cloud Platform is your ticket to leveraging your skills and

knowledge into making reliable, scalable, and efficient products—just like how Google builds its own products.

Testing and Securing Web Applications

Web Development with MongoDB and NodeJS

Beyond Static Sites with JavaScript, APIs, and Markup

BeagleBone Black Cookbook

Game development guide using Phaser JavaScript Game Framework

Puppet Best Practices

How to develop powerful mobile Web sites using popular content management systems (CMS) Mobile is the hottest thing going—and developing content for mobile devices and browsers is even hotter than that. This book is your guide to it all—how to design, build, and deploy sites, blogs and services that will work brilliantly for mobile users. You'll learn about the state-of-the-art of mobile web development, the tools available to use, and the best practices for creating compelling mobile user interfaces. Then, using the most popular content management systems, WordPress, Joomla!, and Drupal, you'll learn how to building world-class mobile web sites from existing platforms and content.. The book walks you through each platform, including how to use third-party plug-ins and themes, explains the strategies for writing your own logic, how to switch between mobile and desktop, and much more. Provides a technical review of the mobile landscape and acquaints you with a range of mobile devices and networks Covers topics common to all platforms, including site topologies, switching between mobile and desktop, common user interface patterns, and more Walks you through each content management platform—WordPress, Joomla!, and Drupal—first focusing on standard

plug-ins and themes and then exploring advanced techniques for writing your own themes or logic Explains the best practices for testing, deploying, and integrating a mobile web site Also explores analytics, m-commerce, and SEO techniques for mobile Get ahead of the the mobile web development curve with this professional and in-depth reference guide!

You're a developer who knows nothing to Docker. Which is fine, except that you need to create and run your first containerized application using Docker. Don't worry: I have you covered. I've been training hundreds of developers like you during 17 years, and converted my experience into this book. I know from experience teaching what takes more time to learn in Docker, and will spend time only where appropriate. Plus this book is packed with exercises and samples where you run your own containers and create your own Docker images. Read this book, and you can create and run your first containerized application using Docker within a week.

Learn to build amazing robotic projects using the powerful BeagleBone Black. About This Book Push your creativity to the limit through complex, diverse, and fascinating projects Develop applications with the BeagleBone Black and open source Linux software Sharpen your expertise in making sophisticated electronic devices Who This Book Is For This Learning Path is aimed at hobbyists who want to do creative projects that make their life easier and also push the boundaries of what can be done with the BeagleBone Black. This Learning Path's projects are for the aspiring maker, casual programmer, and budding engineer or tinkerer. You'll need some programming knowledge, and experience of working with mechanical systems to get the complete experience from this Learning Path. What You Will Learn Set up and run the BeagleBone Black for the first time Get to know the basics of microcomputing and Linux using the command line and easy kernel mods Develop a simple web interface with a LAMP platform

Prepare complex web interfaces in JavaScript and get to know how to stream video data from a webcam Find out how to use a GPS to determine where your sailboat is, and then get the bearing and distance to a new waypoint Use a wind sensor to sail your boat effectively both with and against the wind Build an underwater ROV to explore the underwater world See how to build an autonomous Quadcopter In Detail BeagleBone is a microboard PC that runs Linux. It can connect to the Internet and run OSes such as Android and Ubuntu. You can transform this tiny device into a brain for an embedded application or an endless variety of electronic inventions and prototypes. This Learning Path starts off by teaching you how to program the BeagleBone. You will create introductory projects to get yourselves acquainted with all the nitty gritty. Then we'll focus on a series of projects that are aimed at hobbyists like you and encompass the areas of home automation and robotics. With each project, we'll teach you how to connect several sensors and an actuator to the BeagleBone Black. We'll also create robots for land, sea, and water. Yes, really! The books used in this Learning Path are: BeagleBone Black Cookbook BeagleBone Home Automation Blueprints Mastering BeagleBone Robotics Style and approach This practical guide transforms complex and confusing pieces of technology to become accessible with easy- to-succeed instructions. Through clear, concise examples, you will quickly get to grips with the core concepts needed to develop home automation applications with the BeagleBone Black.

Testing Node.js Applications is a companion to writing quality code. It is suitable to have to those tasked to modernize aging node.js stacks, those willing to improve code quality, and those wanting to test without sacrificing time to market. The best practice described in here, are backed by 10+ years experience developing and delivering data driven applications,

sometimes, deployed at scale.
A Guide for Developers and Enterprise Architects
Moving to the Server-Side
Design Patterns for Maintainable Code
IBM Cloudant Database as a Service Advanced Topics
Building Web Apps with WordPress
Bootstrap 4 Site Blueprints

Get the definitive guide on Gatsby, the JavaScript framework for building blazing fast websites and applications. Used by Nike, Costa Coffee, and other companies worldwide, Gatsby is emerging as one of the key technologies in the Jamstack (JavaScript, APIs, and markup) ecosystem. With this comprehensive guide, you'll learn how to architect, build, and deploy Gatsby sites independently or with CMSs, commerce systems, and other data sources. Author Preston So begins by showing you how to set up a Gatsby site from scratch. From there, youâ??ll learn ways to use Gatsbyâ??s declarative rendering and GraphQL API, build complex offline-enabled sites, and continuously deploy Gatsby sites on a variety of platforms, including Gatsby Cloud. Discover how Gatsby

*integrates with many data sources and plug-ins Set up,
configure, and architect Gatsby sites using Gatsby's CLI,
React, JSX, and GraphQL with high performance out of the box
Build an independent Gatsby site based on Markdown and data-
and content-driven Gatsby sites that integrate with CMSs and
commerce platforms Deploy Gatsby sites with full CI/CD and
test coverage on a variety of platforms, including Netlify,
Vercel, and Gatsby Cloud
Real-world examples of cross-browser, mobile, and data-
driven testing with all the latest features of Selenium
WebDriver 3 Key Features Unlock the full potential of
Selenium to test your web applications Use Selenium Grid for
faster, parallel running, and cross-browser testing Test iOS
and Android Apps with Appium Book Description Selenium
WebDriver is an open source automation tool implemented
through a browser-specific driver, which sends commands to a
browser and retrieves results. The latest version of
Selenium 3 brings with it a lot of new features that change
the way you use and setup Selenium WebDriver. This book*

covers all those features along with the source code, including a demo website that allows you to work with an HMTL5 application and other examples throughout the book. Selenium WebDriver 3 Practical Guide will walk you through the various APIs of Selenium WebDriver, which are used in automation tests, followed by a discussion of the various WebDriver implementations available. You will learn to strategize and handle rich web UI using advanced WebDriver API along with real-time challenges faced in WebDriver and solutions to handle them. You will discover different types and domains of testing such as cross-browser testing, load testing, and mobile testing with Selenium. Finally, you will also be introduced to data-driven testing using TestNG to create your own automation framework. By the end of this book, you will be able to select any web application and automate it the way you want. What you will learn Understand what Selenium 3 is and how is has been improved than its predecessor Use different mobile and desktop browser platforms with Selenium 3 Perform advanced actions, such as

*drag-and-drop and action builders on web page Learn to use
Java 8 API and Selenium 3 together Explore remote WebDriver
and discover how to use it Perform cross browser and
distributed testing with Selenium Grid Use Actions API for
performing various keyboard and mouse actions Who this book
is for Selenium WebDriver 3 Practical Guide is for software
quality assurance/testing professionals, software project
managers, or software developers interested in using
Selenium for testing their applications. Prior programming
experience in Java is necessary.
Automation through Chef Opscode provides an in-depth
understanding of Chef, which is written in Ruby and Erlang
for configuration management, cloud infrastructure
management, system administration, and network management.
Targeted at administrators, consultants, and architect, the
book guides them through the advanced features of the tool
which are necessary for infrastructure automation, devops
automation, and reporting. The book presumes knowledge of
Ruby and Erlang which are used as reference languages for*

creating recipes and cookbooks and as a refresher on them to help the reader get on speed with the flow of book. The book provides step by step instructions on installation and configuration of Chef, usage scenarios of Chef, in infrastructure automation by providing common scenarios like virtual machine provisioning, OS configuration for Windows, Linux, and Unix, provisioning and configuration of web servers like Apache along with popular databases like MySQL. It further elaborates on the creation of recipes, and cookbooks, which help in deployment of servers and applications to any physical, virtual, or cloud location, no matter the size of the infrastructure. The books covers advanced features like LWRPs and Knife and also contains several illustrative sample cookbooks on MySQL, Apache, and CouchDB deployment using a step by step approach.
Learn Chef Provisioning like a boss and discover how to deploy software and manage hosts, along with engaging recipes to automate your cloud and server infrastructure with Chef. About This Book Leverage the power of Chef to

*transform your infrastructure into code to deploy new
features in minutes Get step-by-step instructions to
configure, deploy, and scale your applications Master
specific Chef techniques to run an entire fleet of machines
without breaking a sweat. Who This Book Is For If you are a
system administrator, Linux administrator, a cloud
developer, or someone who just wants to learn and apply Chef
automation to your existing or new infrastructure, then this
learning path will show you all you need to know. In order
to get the most out of this learning path, some experience
of programming or scripting languages would be useful. What
You Will Learn Install Chef server on your own hosts
Integrate Chef with cloud services Debug your cookbooks and
Chef runs using the numerous inspection and logging
facilities of Chef Extend Chef to meet your advanced needs
by creating custom plugins for Knife and Ohai Create a
perfect model system Use the best test-driven development
methodologies In Detail Chef is a configuration management
tool that turns IT infrastructure into code. Chef provides*

tools to manage systems at scale. This learning path takes you on a comprehensive tour of Chef's functionality, ranging from its core features to advanced development. You will be brought up to speed with what's new in Chef and how to set up your own Chef infrastructure for individuals, or small or large teams. You will learn to use the basic Chef command-line tools. We will also take you through the core concepts of managing users, applications, and your entire cloud infrastructure. You will learn the techniques of the pros by walking you through a host of step-by-step guides to solve real-world infrastructure automation challenges.You will learn to automate and document every aspect of your network, from the hardware to software, middleware, and all your containers. You will become familiar with the Chef'sProvisioning tool. By the end of this course, you will be confident in how to manage your infrastructure, scale using the cloud, and extend the built-in functionality of Chef itself.The books used in this Learning Path are: 1) Chef Essentials 2) Chef Infrastructure Automation Cookbook -

Second Edition 3) Mastering Chef Provisioning Style and approach This fast-paced guide covers the many facets of Chef and will teach administrators to use Chef as a birds-eye lens for their entire system. This book takes you through a host of step-by-step guides to solve real-world infrastructure automation challenges and offers elegant, time-saving solutions for a perfectly described and automated network.

Native Docker Clustering with Swarm

A Creative Book for Kids to Master WordPress, Its Themes, and Plugins with Complete Fun (English Edition)

Building Online Communities with Drupal, phpBB, and WordPress

Getting the Most out of Node.js Frameworks

Explore the complete set of tools to craft powerful plugins that extend the world's most popular CMS

Mastering Node.js

Node.js: Novice to Ninja is your hands-on guide to learning everything needed to build a professional web application using Node.js, the hugely popular open-source, cross-platform,

back-end JavaScript runtime environment. You'll start off by getting familiar with the basics - installation and building your first apps - before moving onto more advanced concepts, including debugging, asynchronous programming, using Express.js, working with databases, deployment, and more. You'll finish by building a complete multi-player real-time quiz application. Install Node and build your first application Get started with Express.js and use it to process forms Master asynchronous programming in Node.js Work with MongoDB and MySQL databases Use WebSockets for real-time applications Understand the Node ecosystem: npm and modules Build a complete multiplayer quiz app And much more! The book includes access to 25 high quality tutorial videos, containing 1.5 hours of content.
Software has become ever more crucial as an enabler, from daily routines to important national decisions. But from time to time, as society adapts to frequent and rapid changes in technology, software development fails to come up to expectations due to issues with efficiency, reliability and security, and with the robustness of methodologies, tools and techniques not keeping pace with the rapidly evolving market. This book presents the proceedings of SoMeT_19, the 18th International Conference on New Trends in Intelligent Software Methodologies, Tools and Techniques, held in Kuching, Malaysia, from 23–25 September 2019. The book explores new trends and theories that highlight the direction and development of software methodologies, tools and techniques, and aims to capture the essence of a new state of the art in software science and its supporting technology, and to identify the challenges that such a technology will have to master. The book also investigates other comparable theories and practices in software science, including emerging technologies, from their computational foundations in terms of models, methodologies, and tools. The 56

papers included here are divided into 5 chapters: Intelligent software systems design and techniques in software engineering; Machine learning techniques for software systems; Requirements engineering, software design and development techniques; Software methodologies, tools and techniques for industry; and Knowledge science and intelligent computing. This comprehensive overview of information systems and research projects will be invaluable to all those whose work involves the assessment and solution of real-world software problems.

Web applications occupy a large space within the IT infrastructure of a business or a corporation. They simply just don't touch a front end or a back end; today's web apps impact just about every corner of it. Today's web apps have become complex, which has made them a prime target for sophisticated cyberattacks. As a result, web apps must be literally tested from the inside and out in terms of security before they can be deployed and launched to the public for business transactions to occur. The primary objective of this book is to address those specific areas that require testing before a web app can be considered to be completely secure. The book specifically examines five key areas: Network security: This encompasses the various network components that are involved in order for the end user to access the particular web app from the server where it is stored at to where it is being transmitted to, whether it is a physical computer itself or a wireless device (such as a smartphone). Cryptography: This area includes not only securing the lines of network communications between the server upon which the web app is stored at and from where it is accessed from but also ensuring that all personally identifiable information (PII) that is stored remains in a ciphertext format and that its integrity remains intact while in transmission. Penetration testing:

This involves literally breaking apart a Web app from the external environment and going inside of it, in order to discover all weaknesses and vulnerabilities and making sure that they are patched before the actual Web app is launched into a production state of operation. Threat hunting: This uses both skilled analysts and tools on the Web app and supporting infrastructure to continuously monitor the environment to find all security holes and gaps. The Dark Web: This is that part of the Internet that is not openly visible to the public. As its name implies, this is the "sinister" part of the Internet, and in fact, where much of the PII that is hijacked from a web app cyberattack is sold to other cyberattackers in order to launch more covert and damaging threats to a potential victim. Testing and Securing Web Applications breaks down the complexity of web application security testing so this critical part of IT and corporate infrastructure remains safe and in operation.
Learn how to build a beautiful and feature-rich website or blog with WordPress all on your own. About This Book Learn how to build a WordPress site quickly and effectively, and how to create content that's optimized for publication on the web. Learn the basics of working with WordPress themes and plugins, and even create your own. Beginner-friendly layout and advice you can apply from day 1. Packed with screenshots and examples. Who This Book Is For This book is for anyone who wants to learn how to create a functional website, without having to hire a developer or a designer. The best thing about WordPress—the open source software that we're going to be using—is that it has a minimal learning curve and that everyone can master it quickly. No specific website building experience is required. Having said that, this book will also appeal to everyone who wants to get a bit more in-depth with WordPress development and start working on their own plugins and themes. What You Will Learn What

WordPress is, where to get it, and how to launch your website quickly using it. How to publish your first content (a blog post or article). What the most important sub-pages of a quality website are, and how to create them in WordPress. How to upload multimedia content such as images, audio, and video. How to install and work with plugins and widgets. Where to find quality themes and how to install them. How to develop your own WordPress plugins and themes. In Detail WordPress Complete, Sixth Edition is a practical guide for everyone who wants to start their journey as an online publisher, website owner, or even a website developer. It takes you step-by-step through the process of planning out and building your site, and offers loads of screenshots and examples along the way. It's also a beginner's guide to theme and plugin development. This book begins with the basics of WordPress, followed by the different components that you as a developer will need to use to work swiftly and efficiently. The book starts by introducing WordPress to new readers in this field. You are then shown how to set it up, implement a blog, and use plug-ins and widgets. You'll use themes to make any website look and feel better and more original. You also learn how to create your own themes and perform testing to ensure your website is bug-free. You will also acquire some idea of how to use WordPress for non-blog-like websites. By the end of the book, you will feel confident enough to design high-quality websites and will be familiar with the ins and outs of WordPress. Style and approach This is a step-by-step tutorial, where we show you how you build a professional-grade website from the ground up, adding more and more complex features as we move on.
Automation through Chef Opscode
A Hands-on Approach to Chef

WordPress as an Application Framework
Node.js: Novice to Ninja
End-to-end automation testing for web and mobile browsers with Selenium WebDriver, 2nd Edition
WordPress All-in-One For Dummies
Beginning Node.js is your step-by-step guide to learning all the aspects of creating maintainable Node.js applications. You will see how Node.js is focused on creating high-performing, highly-scalable websites, and how easy it is to get started. Many front-end devs regularly work with HTML, CSS, PHP, even WordPress, but haven't yet got started with Node.js. This book explains everything for you from a beginner level, enabling you to start using Node.js in your projects right away. Using this book you will learn important Node.js concepts for server-side programming. You will begin with an easy-to-follow pure JavaScript primer, which you can skip if you're confident of your JS skills. You'll then delve into Node.js concepts such as streams and events, and the technology involved in building full-stack Node.js applications. You'll also learn how to test your Node.js code, and deploy your Node.js applications on the internet. Node.js is a great and simple platform to work with. It is lightweight, easy to deploy and manage. You will see how using Node.js can be a fun and rewarding experience - start today with Beginning Node.js. Deploy, configure, and run clusters of Docker containers with Swarm About This Book Get to grips with Docker Swarm, one of the key components of the Docker ecosystem. Optimize Swarm and SwarmKit features for scaling massive applications through containers. Learn about Docker's

scheduling tricks, high availability, security, and platform scalability. Who This Book Is For If you are a Linux admin or a Docker user who wants to natively manage Docker clusters, then this is the book for you. What You Will Learn Create and manage Swarm Mode clusters of any size Get a backstage view of the biggest Swarms ever built : Swarm2k and Swarm3k, with their 2,300 and 4,700 nodes Discovery mechanisms and Raft Deploy your containerized app on Swarm Administer Swarm clusters on AWS, Azure, and DigitalOcean Integrate Flocker volumes with Swarm Create and manage Swarms on OpenStack Magnum In Detail Docker Swarm serves as one of the crucial components of the Docker ecosystem and offers a native solution for you to orchestrate containers. It's turning out to be one of the preferred choices for Docker clustering thanks to its recent improvements. This book covers Swarm, Swarm Mode, and SwarmKit. It gives you a guided tour on how Swarm works and how to work with Swarm. It describes how to set up local test installations and then moves to huge distributed infrastructures. You will be shown how Swarm works internally, what's new in Swarmkit, how to automate big Swarm deployments, and how to configure and operate a Swarm cluster on the public and private cloud. This book will teach you how to meet the challenge of deploying massive production-ready applications and a huge number of containers on Swarm. You'll also cover advanced topics that include volumes, scheduling, a Libnetwork deep dive, security, and platform scalability. Style and approach A comprehensive guide that covers all aspects of Docker Swarm from setup to customization.

Take your web development skills from browser to server with Node—and learn how to write

fast, highly scalable network applications on this JavaScript-based platform. Updated for the latest Node Long Term Support (LTS) and Node Current (6.0) releases, this hands-on edition helps you master Node's core fundamentals and gain experience with several built-in and contributed modules. Get up to speed on Node's event-driven, asynchronous I/O model for developing data-intensive applications that are frequently accessed but computationally simple. If you're comfortable working with JavaScript, this book provides many programming and deployment examples to help you take advantage of server-side development with Node. Explore the frameworks and functionality for full-stack Node development Dive into Node's module system and package management support Test your application or module code on the fly with Node's REPL console Use core Node modules to build web applications and an HTTP server Learn Node's support for networks, security, and sockets Access operating system functionality with child processes Learn tools and techniques for Node development and production Use Node in microcontrollers, microcomputers, and the Internet of Things

Build scalable web applications using Node.js, Express.js, and the latest ECMAScript techniques, along with deploying applications with AWS and Docker with this updated fifth edition Key Features • Learn backend web programming with the JavaScript stack • Explore best practices, right from configuring and building web servers to deploying them on a production cloud hosting system: AWS using Docker and Terraform • Work through the different stages of developing robust and scalable apps using Node.js 14 Book Description Node.js is the leading choice of server-side web development platform, enabling developers to use the same tools and paradigms

for both server-side and client-side software. This updated fifth edition of Node.js Web Development focuses on the new features of Node.js 14, Express 4.x, and ECMAScript, taking you through modern concepts, techniques, and best practices for using Node.js. The book starts by helping you get to grips with the concepts of building server-side web apps with Node.js. You'll learn how to develop a complete Node.js web app, with a backend database tier to help you explore several databases. You'll deploy the app to real web servers, including a cloud hosting platform built on AWS EC2 using Terraform and Docker Swarm, while integrating other tools such as Redis and NGINX. As you advance, you'll learn about unit and functional testing, along with deploying test infrastructure using Docker. Finally, you'll discover how to harden Node.js app security, use Let's Encrypt to provision the HTTPS service, and implement several forms of app security with the help of expert practices. With each chapter, the book will help you put your knowledge into practice throughout the entire life cycle of developing a web app. By the end of this Node.js book, you'll have gained practical Node.js web development knowledge and be able to build and deploy your own apps on a public web hosting solution. What you will learn • Install and use Node.js 14 and Express 4.17 for both web development and deployment • Implement RESTful web services using the Restify framework • Develop, test, and deploy microservices using Docker, Docker Swarm, and Node.js, on AWS EC2 using Terraform • Get up to speed with using data storage engines such as MySQL, SQLite3, and MongoDB • Test your web applications using unit testing with Mocha, and headless browser testing with Puppeteer • Implement HTTPS using Let's Encrypt and enhance application security with Helmet Who this

book is for If you're looking for an alternative to the 'P' languages (Perl, PHP, and Python), or if you want to get started with server-side web development with JavaScript programming, or if you want a deep dive into deploying services to cloud hosting, this Node.js book is for you. A rudimentary understanding of JavaScript and web application development is a must before you get started with this book. Table of Contents • About Node.js • Setting Up Node.js • Exploring Node.js Modules • HTTP Servers and Clients • Your First Express Application • Implementing the Mobile-First Paradigm • Data Storage and Retrieval • Authenticating Users with a Microservice • Dynamic Client/Server Interaction with Socket.IO • Deploying Node.js Applications to Linux Servers • Deploying Node.js microservices with Docker • Deploying a Docker Swarm to AWS EC2 with Terraform • Unit Testing and Functional Testing • Security in Node.js Applications

Hands-on Kubernetes on Azure

Be ready to create and run your containerized and orchestrated application next week.

Use Azure Kubernetes Service to automate management, scaling, and deployment of containerized applications, 3rd Edition

Selenium WebDriver 3 Practical Guide

WordPress Plugin Development Cookbook

Cloud Computing and Services Science

WordPress is much more than a blogging platform. If you have basic PHP, HTML, CSS, and JavaScript experience you can use WordPress to develop fast, scalable, secure, and highly

customized web apps, mobile apps, web services, and multisite networks of websites. Along with core WordPress functions and database schema, you'll learn how to build custom plugins, themes, and services for just about any kind of web or mobile application. In this updated second edition, Brian Messenlehner and Jason Coleman cover new features and functionality added to WordPress up to version 5.4. All code examples in the book are available on GitHub. Compare WordPress with traditional app development frameworks Use themes for views and plugins for backend functionality Get suggestions for choosing or building WordPress plugins Register custom post types (CPTs) and taxonomies Manage user accounts and roles, and access user data Build asynchronous behaviors with jQuery Use WordPress to develop mobile apps for iOS and Android Integrate PHP libraries, external APIs, and web service plugins Collect payments through ecommerce and membership plugins Learn how to speed up and scale your WordPress app Extend the WordPress REST API and create custom endpoints Learn about WordPress Gutenberg blocks development

This IBM® RedpaperTM publication gives readers a broad understanding of IBM BluemixTM cloud application development platform capabilities. Providing a platform as a service (PaaS) environment as one of its run times, along with containers and virtual machines, Bluemix uses the Cloud Foundry project as one of its open source technologies to accelerate new application development and DevOps methods. It provides optimized and flexible workloads, enables continuous availability, and simplifies delivery and manageability of an application by providing prebuilt services and hosting capabilities. The paper reviews the Bluemix

architecture, explains how it works, describes key concepts and components, and provides an overview of Bluemix security. It also covers the various Bluemix service categories and the services within each category. This information will help anyone who is interested in exploring the potential and capabilities of Bluemix and its services.

Build your website with custom designs, animations, and many awesome features! KEY FEATURES ? Simple illustrations, screenshots, and easy lessons to engage kids. ? Detailed instructions, code samples, and explanations for creating WordPress websites. ? Use of analogies, stories, and real-life examples to help develop websites easily. DESCRIPTION When kids are interested in technology and websites, WordPress for Kids will pique their interest in learning more. This book will help kids get first-hand experience in building a world-class site using WordPress. It's a lot easier if you have a lot of screenshots and examples to follow along with. Each section is written so that children are never overwhelmed by technical details. Instead, they are divided into stories, scenarios, and terms they can relate to. The book begins by helping you set up an account on WordPress.com and then walking you through the dashboard tab-by-tab. The book covers how to log in to WordPress, create and edit posts and pages, customize colors, fonts, the header and footer, the layout, and other design elements, as well as content and images. It helps explore plugins, widgets, and some eye-catching website themes. This book will help you get your website ranked on search engines like Google. Your very first website will be online by the end of this book. Without writing a single line of code, your website will be ready to be seen by millions of people. WHAT YOU WILL LEARN ?

Become familiar with the fundamentals of web development. ? Create a WordPress account and configure your first website. ? Explore everything about Posts and Pages and how to create them. ? Learn to design your website with popular themes and how to customize them. ? Bring enhanced functionalities with widgets and plugins. ? Get website visitors by ranking your website on the Google Search Engine. WHO THIS BOOK IS FOR This book is for kids of 6th grade and above who wish to learn the art of building beautiful websites. Basic knowledge of computers and the Internet is a prerequisite for this book. TABLE OF CONTENTS 1. WordPress and Subway. Understanding WordPress with the Help of Sandwiches 2. Getting Started – Create Your Account and Start Exploring 3. Setting Up Your Site 4. Few Website Terminologies 5. Posts, Pages, and Your School Timetable 6. Creating your First Post 7. Comments, Categories, and Tags 8. Creating a Page 9. Themes – Your Personal Designer 10. Customizing Your Theme 11. Menus – The Map of Your Website 12. Being Widgety with WordPress 13. Going for a Paid Plan – Is It Required? 14. Introducing the Plugins 15. Rank Your Website. SEO with Plugin 16. Adding Animation and Interaction to Your Pages 17. Few More Popular Plugins 18. Launching Your Website and What to Do Next?

Top WordPress guide, now fully updated for the latest WordPress release! This updated new edition comprises one of the largest collections of practical intermediate to advanced information on WordPress. Fully updated for the latest WordPress release, this in-depth book covers it all, from setting up your software to publishing your site, using SEO and social media, developing and using plug-ins, running multiple sites with WordPress, and more. Veteran

author Lisa Sabin-Wilson is a top authority on WordPress, and she and her co-authors pack this book with essential and easy-to-follow tips, techniques, and advice. Presents straightforward and easy-to-understand intermediate to advanced coverage of the WordPress, the most popular blog software in use today Features eight minibooks that cover what you need to know in depth, including WordPress basics, setting up the software, exploring the dashboard, publishing your site with WordPress, using SEO and social media, customizing the look of your site, using plug-ins, and running multiple sites with WordPress Covers the very latest release of WordPress Get up to speed on WordPress with WordPress All-in-One For Dummies, 2nd Edition, and turn your hobby into a business!

DevOps: Puppet, Docker, and Kubernetes
IBM Bluemix The Cloud Platform for Creating and Delivering Applications
WordPress for Kids
Be ready to create and run your containerized application next week
Learn Docker - .NET Core, Java, Node.JS, PHP or Python
Learning Node

This book constitutes extended, revised and selected papers from the 8th International Conference on Cloud Computing and Services Science, CLOSER 2018, held in Funchal, Portugal in March 2018. The 11 papers presented in this volume were carefully reviewed and selected from a total of 94 submissions. CLOSER 2018 is focused on the emerging area of Cloud Computing, inspired by some latest advances that concern the infrastructure, operations and available

services throughout the global network.

This IBM® RedpaperTM publication describes advanced topics for IBM Cloudant, a NoSQL JSON document store that is optimized for handling heavy workloads of concurrent reads and writes in the cloud, a workload that is typical of large, fast-growing web and mobile apps. You can use Cloudant as a fully-managed DBaaS running on public cloud platforms like IBM SoftLayer or via an on-premise version called Cloudant Local that you can run yourself on any private, public, or hybrid cloud platform. This paper is the third in a series of IBM Redbooks® publications on Cloudant. Be sure to read the others: IBM Cloudant: The Do-More NoSQL Data Layer, TIPS1187 and IBM Cloudant: Database as a service Fundamentals, REDP-5126.

If you maintain or plan to build Puppet infrastructure, this practical guide will take you a critical step further with best practices for managing the task successfully. Authors Chris Barbour and Jo Rhett present best-in-class design patterns for deploying Puppet environments and discuss the impact of each. The conceptual designs and implementation patterns in this book will help you create solutions that are easy to extend, maintain, and support. Essential for companies upgrading their Puppet deployments, this book teaches you powerful new features and implementation models that weren't available in the older versions. DevOps engineers will learn how best to deploy Puppet with long-term maintenance and future growth in mind. Explore Puppet's design philosophy and data structures Get best practices for using Puppet's declarative language Examine Puppet

resources in depth—the building blocks of state management Learn to model and describe business and site-specific logic in Puppet See best-in-class models for multitiered data management with Hiera Explore available options and community experience for node classification Utilize r10k to simplify and accelerate Puppet change management Review the cost benefits of creating your own extensions to Puppet Get detailed advice for extending Puppet in a maintainable manner

Kubernetes has emerged as a leader among management platforms for container orchestration. Hands-On Kubernetes on Azure enables you to strengthen your grasp of the basic and advanced functionalities of Kubernetes on Microsoft Azure. 8th International Conference, CLOSER 2018, Funchal, Madeira, Portugal, March 19-21, 2018, Revised Selected Papers

Advancing Technology Industrialization Through Intelligent Software Methodologies, Tools and Techniques

Testing Node.js Applications

Proceedings of the 18th International Conference on New Trends in Intelligent Software Methodologies, Tools and Techniques (SoMeT_19)

Professional WordPress Plugin Development

Beginning Node.js

This book is for system engineers and administrators who have a fundamental understanding of information management systems and

infrastructure. It helps if you've already played around with Chef; however, this book covers all the important topics you will need to know. If you don't want to dig through a whole book before you can get started, this book is for you, as it features a set of independent recipes you can try out immediately.

This book contains an extensive set of practical examples and an easy-to-follow approach to creating 3D objects.This book is great for anyone who already knows JavaScript and who wants to start creating 3D graphics that run in any browser. You don't need to know anything about advanced math or WebGL; all that is needed is a general knowledge of JavaScript and HTML. The required materials and examples can be freely downloaded and all tools used in this book are open source.

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 1OO 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.

Over 6O recipes and solutions for inventors, makers, and budding engineers to create projects using the BeagleBone Black About This Book Learn how to develop applications with the BeagleBone Black and open source Linux software Sharpen your expertise in making sophisticated electronic devices Explore the BeagleBone Black with this easy-to-succeed

recipe format Who This Book Is For If you are a hardware, Linux, and/or microcomputing novice, or someone who wants more power and possibilities with product prototypes, electronic art projects, or embedded computing experiments, then this book is for you. It is for Internet of Things enthusiasts who want to use more sophisticated hardware than the Raspberry Pi or the Arduino can provide. Whether you are an engineering student, a DIYer, an inventor, or a budding electronics enthusiast, this book delivers accessible, easy-to-succeed instructions for using an advanced microcomputing platform. What You Will Learn Set up and run the BeagleBone Black for the first time Learn the basics of microcomputing and Linux using the command line and easy kernel mods Make introductory projects with Python, JavaScript, BoneScript, and Node.js Explore physical computing and simple circuits using buttons, LEDs, sensors, and motors Discover the unique features of the BeagleBone Black and its real-time computing functions Build intermediate level audio and video applications Assemble and add ingredients for creating Internet of Things prototypes In Detail There are many single-board controllers and computers such as Arduino, Udoo, or Raspberry Pi, which can be used to create electronic prototypes on circuit boards. However, when it comes to

creating more advanced projects, BeagleBone Black provides a sophisticated alternative. Mastering the BeagleBone Black enables you to combine it with sensors and LEDs, add buttons, and marry it to a variety of add-on boards. You can transform this tiny device into the brain for an embedded application or an endless variety of electronic inventions and prototypes. With dozens of how-tos, this book kicks off with the basic steps for setting up and running the BeagleBone Black for the first time, from connecting the necessary hardware and using the command line with Linux commands to installing new software and controlling your system remotely. Following these recipes, more advanced examples take you through scripting, debugging, and working with software source files, eventually working with the Linux kernel. Subsequently, you will learn how to exploit the board's real-time functions. We will then discover exciting methods for using sound and video with the system before marching forward into an exploration of recipes for building Internet of Things projects. Finally, the book finishes with a dramatic arc upward into outer space, when you explore ways to build projects for tracking and monitoring satellites. Style and approach This comprehensive recipe book deconstructs a complex, often confusing piece of technology, and

transforms it to become accessible and fun with snappy, unintimidating prose, and extensive easy-to-succeed instructions.

Gatsby: The Definitive Guide

The Jamstack Book

Server-side web development made easy with Node 14 using practical examples

Chef: Powerful Infrastructure Automation

WordPress Complete - Sixth Edition

Professional Mobile Web Development with WordPress, Joomla! and Drupal

This book is for anyone who needs to run software using Docker and orchestrate it on Kubernetes. Whether you're a developer, a DevOps manager or a technician, this book should help you create Docker containers then plan and run them as Kubernetes workloads. I assume that you have no previous knowledge about containers or containers orchestration. I made my best to keep this book small, so that you can learn Kubernetes and Docker quickly without getting lost in petty details. If you are looking for a reference book where you'll find answers to all the questions you may have within the next 4 years of your Kubernetes practice, you'll find other heavy books for that. My purpose is to swiftly provide you with the tools

you need to create and run your first cloud-ready application using Kubernetes and Docker, then be able to look for more by yourself when needed. Plus this book is packed with exercises and samples where you create, run and manage your own applications as Docker containers on your machine then on a Kubernetes cluster. Read this book, and you can create and run your first Kubernetes application within a week.

* Content management, blogging, and online forums are among the most significant online trends today, and Drupal, phpBB, and WordPress are three of the most popular open source applications facilitating these tasks. * The authors have played active roles in project development and community support (Mike Little is actually a Wordpress project co-founder). * Drupal, phpBB, and WordPress are based on the PHP language and MySQL database server, ensuring the widest possible audience. Extend WordPress with plugins using this advanced WordPress development book, updated for the current version This significantly updated edition of Professional WordPress Plugin Development addresses modern plugin development for WordPress, the highly popular content management system (CMS). If you're using WordPress to create and manage websites, WordPress plugins are the software that can extend or enhance CMS functionality. This book offers guidance on writing plugins for WordPress sites to share or sell to other users. The second edition of Professional WordPress Plugin Development covers the building of advanced plugin

development scenarios. It discusses the plugin framework and coding standards as well as dashboards, settings, menus, and related application programming interfaces (APIs). Additional topics include security, performance, data validation, and SQL statements. • Learn about the power of hooks in WordPress • Discover how JavaScript and Ajax will work in your site • Understand key technologies: Block Editor/Gutenberg, JS/React, PHP, and the REST API • Create and use custom post types and taxonomies. • Creating custom dashboard menus and plugin settings • Work with users and user data • Schedule tasks and utilizing Cron • Performance and security considerations Written by experienced plugin developers, Professional WordPress Plugin Development also helps you internationalize and localize your WordPress website. Find out about debugging systems and optimizing your site for speed. As WordPress use continues to increase, you can elevate your professional knowledge of how to extend WordPress through plugins.

Leverage Puppet 5 for medium to large scale enterprise deployment. Key Features Use and deploy Puppet 5, irrespective the size of your organization Scaling, performance improvements, and managing multiple developer requests Troubleshooting techniques, tips and tricks to make the most of Puppet 5 Book Description Puppet is a configuration management system and a language written for and by system administrators to manage a large number of systems efficiently and prevent configuration drift. The core topics this book addresses are Puppet's

latest features and mastering Puppet Enterprise. You will begin by writing a new Puppet module, gaining an understanding of the guidelines and style of the Puppet community. Following on from this, you will take advantage of the roles and profiles pattern, and you will learn how to structure your code. Next, you will learn how to extend Puppet and write custom facts, functions, types, and providers in Ruby, and also use the new features of Hiera 5. You will also learn how to configure the new Code Manager component, and how to ensure code is automatically deployed to (multiple) Puppet servers. Next, you will learn how to integrate Puppet with Jenkins and Git to build an effective workflow for multiple teams, and use the new Puppet Tasks feature and the latest Puppet Orchestrator language extensions. Finally, you will learn how to scale and troubleshoot Puppet. By the end of the book, you will be able to deal with problems of scale and exceptions in your code, automate workflows, and support multiple developers working simultaneously. What you will learn Solve problems using modules and the roles and profiles pattern Extend Puppet with custom facts, functions, types, and providers Use Hiera 5 and Code Manager/r10k to separate code from data Continuously integrate your code using Jenkins, Git and automated testing Use exported resources and the new Puppet Orchestration features Explore Puppet Discovery features and their use Troubleshoot various parts of the Puppet Enterprise infrastructure Scale up and scale out Puppet infrastructure using various techniques Who this book is for If you

are a system administrator or developer who has used Puppet in production and are looking for ways to easily use Puppet in an enterprise environment, this book is for you. Some knowledge of writing simple configuration management modules would be necessary.
BeagleBone: Creative Projects for Hobbyists
Cloud Computing and Service Science
Mastering Puppet 5
The Essential Tools and Libraries
Chef Infrastructure Automation Cookbook - Second Edition
Building Your Next Big Thing with Google Cloud Platform
Explore the robust features of Bootstrap 4 to create exciting websites through this collection of excellent hands-on projects About This Book Explore the inner workings of Bootstrap 4 by building different websites Customize your designs by working directly with Bootstrap's SASS files Leverage Bootstrap's excellent JavaScript plugins Who This Book Is For If you are a web developer who wants to build professional websites using Bootstrap 4, then this book is for you. Familiarity with the basics of HTML, CSS, and JavaScript is assumed. What You Will Learn Understand how Bootstrap compiles SASS code to static CSS and ES6 code into JavaScript code Integrate Bootstrap into application frameworks such as Angular 2 (AngularJS), Ember, and React Reuse Bootstrap's SASS

mixins and set responsive breakpoints in your designs Customize Bootstrap's SASS files and add your own in the process Manage multiple rows of products in a complex responsive grid Create a complete one-page scrolling website using Bootstrap's components and plugins In Detail Packed with trade secrets, this second edition is your one-stop solution to creating websites that will provide the best experience for your users. We cover six popular, real-world examples, where each project teaches you about the various functionalities of Bootstrap 4 and their implementation. The book starts off by getting you up and running with the new features of Bootstrap 4 before gradually moving on to customizing your blog with Bootstrap and SASS, building a portfolio site, and turning it into a WordPress theme. In the process, you will learn to recompile Bootstrap files using SASS, design a user interface, and integrate JavaScript plugins. Towards the end of the book, you will also be introduced to integrating Bootstrap 4 with popular application frameworks such as Angular 2, Ruby on Rails, and React. Style and approach This book follows a project-based approach to creating different types of popular websites using Bootstrap. You'll work through easy-to-follow, clear, and logical steps, with screenshots and tips provided along the way to help you get more from Bootstrap. Build an interactive and full-featured web application from scratch using Node.js and MongoDB About This Book Configure your development environment to use Node.js and MongoDB Use Node.js to connect to a MongoDB database and perform data

manipulations A practical guide with clear instructions to design and develop a complete web application from start to finish Who This Book Is For This book is designed for JavaScript developers of any skill level that want to get up and running using Node.js and MongoDB to build full-featured web applications. A basic understanding of JavaScript and HTML is the only requirement for this book. What You Will Learn Configure your development environment to use Node.js and MongoDB Write and configure a web server using Node.js powered by the Express.js framework Build dynamic HTML pages using the Handlebars template engine Persist application data using MongoDB and Mongoose ODM Test your code using automated testing tools such as the Mocha framework Deploy the development environment to the cloud using services such as Heroku, Amazon Web Services, and Microsoft Azure Explore Single-Page application frameworks to take your web applications to the next level In Detail Node.js and MongoDB are quickly becoming one of the most popular tech stacks for the web. Powered by Google's V8 engine, Node.js caters to easily building fast, scalable network applications while MongoDB is the perfect fit as a scalable, high-performance, open source NoSQL database solution. Using these two technologies together, web applications can be built quickly and easily and deployed to the cloud with very little difficulty. The book will begin by introducing you to the groundwork needed to set up the development environment. Here, you will quickly run through the steps necessary to get

the main application server up and running. Then you will see how to use Node.js to connect to a MongoDB database and perform data manipulations. From here on, the book will take you through integration with third-party tools for interaction with web apps. It then moves on to show you how to use controllers and view models to generate reusable code that will reduce development time. Toward the end of the book, we will cover tests to properly execute the code and some popular frameworks for developing web applications. By the end of the book, you will have a running web application developed with MongoDB and Node.js along with it's popular frameworks. Style and approach An easy guide to Node.js and MongoDB, which will quickly introduce you to the relevant concepts by taking you through the different steps involved in building a full-fledged web application.

Create plugins for WordPress through detailed recipes that cover the creation of shortcodes, custom post types, and custom blocks, integrate data from external sources, and do much more with this recipe-based guide Key FeaturesCreate plugins that change and extend WordPress to perform virtually any taskExtend the WordPress Block Editor (Gutenberg) and other components with the help of detailed examples and explanationsCustomize WordPress to meet your project's needs and create plugins that benefit the entire communityBook Description WordPress is one of the most widely used, powerful, and open content management systems (CMSs). Whether you're a site owner

trying to find the right extension, a developer who wants to contribute to the community, or a website developer working to fulfill a client's needs, learning how to extend WordPress' capabilities will help you to unleash its full potential. This book will help you become familiar with API functions to create secure plugins with easy-to-use administration interfaces. This third edition contains new recipes and up-to-date code samples, including new chapters on creating custom blocks for the block editor and integrating data from external sources. From one chapter to the next, you'll learn how to create plugins of varying complexity, ranging from a few lines of code to complex extensions that provide intricate new capabilities. You'll start by using the basic mechanisms provided in WordPress to create plugins, followed by recipes covering how to design administration panels, enhance the post editor with custom fields, store custom data, and even create custom blocks. You'll safely incorporate dynamic elements into web pages using scripting languages, learn how to integrate data from external sources, and build new widgets that users will be able to add to WordPress sidebars and widget areas. By the end of this book, you will be able to create WordPress plugins to perform any task you can imagine. What you will learnDiscover action and filter hooks, which form the basis of plugin creationExplore the creation of administration pages and add new content management sections through custom post types and custom fieldsAdd new components to the block editor libraryFetch, cache, and regularly update data from external

sourcesBring in external data sources to enhance your contentMake your pages dynamic by using JavaScript, jQuery, and AJAX and adding new widgets to the platformAdd support for plugin translation and distributing your work to the WordPress communityWho this book is for This book is for WordPress users, developers, and site integrators interested in creating new plugins to address their personal needs, fulfill client requirements, and bring new capabilities to the WordPress community. Basic knowledge of PHP and WordPress is expected.

This book constitutes extended, revised and selected papers from the 7th Ith International Conference on Cloud Computing and Service Science, CLOSER 2017, held in Porto, Portugal, in April 2017. The 16 papers presented in this volume were carefully reviewed and selected from a total of 123 submissions. CLOSER 2017 focused on the emerging area of Cloud Computing, inspired by some latest advances that concern the infrastructure, operations and available services throughout the global network.

Phaser.js Game Design Workbook

Learn Kubernetes & Docker - .NET Core, Java, Node.JS, PHP or Python

Optimize enterprise-grade environment performance with Puppet

7th International Conference, CLOSER 2017, Porto, Portugal, April 24–26, 2017, Revised Selected Papers

Node.js Web Development