

# **Read Book Chris Bates Web Programming Building Internet Applications Pdf For Free**

***Building Web Applications with Erlang Jan 03 2021  
"Working with REST and Web-Sockets on Yaws"--Cover.***

***Web Programming Mar 29 2023***

***Jumpstart Jamstack Development Dec 14 2021  
Leverage Jamstack principles, techniques, and best practices to build dynamic websites and web apps focused on speed, security, and accessibility Key FeaturesUnderstand how JavaScript integrates with reusable application program interfaces (APIs) and browser markup to build a serverless web applicationGain a solid understanding of static site development with Gatsby and its importance in JamstackFind out how to deploy a Jamstack event website directly from GitHub using NetlifyBook Description Jamstack (JavaScript, API, and Markup) enables web developers to create and publish modern and maintainable websites and web apps focused on speed, security, and accessibility by using tools such as Gatsby, Sanity, and Netlify. Developers working with Jamstack will be able to put their knowledge to good use with this practical guide to static site generation and content***

**management. This Jamstack book takes a hands-on approach to implementation and related methodologies that will have you up and running with modern web development in no time. Complete with step-by-step explanations of essential concepts, practical examples, and self-assessment questions, you'll begin by building an event and venue schema structure, and then expand the functionality, exploring all that the Jamstack has to offer. You'll learn how an example Jamstack is built, build structured content using Sanity to create a schema, use GraphQL to expose the content, and employ Gatsby to build an event website using page and template components and Tailwind CSS Framework. Lastly, you'll deploy the website to both, a Netlify server and the Microsoft Static Web Apps Service, and interact with it using Amazon Alexa. By the end of this book, you'll have gained the knowledge and skills you need to install, configure, build, extend, and deploy a simple events website using Jamstack. What you will learn**

**Discover the Jamstack approach and build speedy, secure, and accessible websites and web apps with its component technologies**

**Build an events website by using the Jamstack and the Gatsby static site generator**

**Create and modify your templates and pages to build creative web apps**

**Build, modify, and extend structured content schemas in Sanity**

**Understand Gatsby plugins,**

**project structure, and files, and how it can be used to build Jamstack apps Find out how GatsbyJS uses GraphQL to source content Who this book is for This book is for web developers looking to implement Jamstack practically. JavaScript developers who want to build modern speedy and secure web apps will also find this book useful. Familiarity with JavaScript and Database programming is assumed.**

**Practical Webix Dec 22 2019 Learn to create speedy cross-platform applications with ease using Webix. You will begin with an introduction to Webix and basic usage, exploring the interface components and utilities it offers, as well as the tools available (skin builder, form builder, and code snippet testing facility). You'll understand how Webix can integrate with other popular libraries and frameworks including Angular, Vue, React and more (as well as third-party components like dHTMLx and rich text editors). You will learn tangential topics including communication with back-end systems (Node.js and common related tooling), packaging as a Cordova app and, of course, you will learn how to use Webix following the Progressive Web App delivery mechanism. Offering a complete solution in a single bundle, this JavaScript UI framework provides a rich set of interface components, application architecture direction and commonly-needed utility and ancillary capabilities. Every topic will be taught a practical**

**way, explored within the context of building real-world working apps, not through unrelated snippets. Bringing 25 years of professional development experience to the table, author Frank Zammetti uses his unique levity to teach you how to get up and running with this new and upcoming framework. What You'll Learn Explore the capabilities and UI widgets it provides and the features that make it stand out from its competitors Build one web technology-based app that works on both desktops and mobile devices (Android and iOS) Create and hook a Webix app up to a Node.js/Express-based RESTful server API for data storage Mobilize a Webix app using both PhoneGap and Progressive Web App techniques Enhance your Webix and general development skills in the most fun way possible: by building a game Who This Book Is For Moderately experienced front-end developers who want to learn about Webix and the power it brings to client-side development. Developers looking to use their web development skills to build cross-platform apps that work on both desktop and mobile devices with Webix as the foundation. A working knowledge of CSS, HTML and JavaScript is assumed, though you don't need to be an expert.**

**Modx Web Development Jan 23 2020 This book is an example-driven tutorial, which will take you from the installation of MODx through to**

**configuration, customization, and deployment. Step-by-step instructions will enable you to build a fully-functional, feature-rich website quickly and without the knowledge of any programming language. This book is ideal for newcomers to MODx. Both beginners and experienced web developers will benefit from this comprehensive guide to MODx. No knowledge of PHP programming or any templating language is needed, but the more advanced chapters towards the end of the book will allow more confident developers to extend their applications even further by creating their own snippets.**

**Web Development with Clojure Jan 15 2022 Modern web applications deserve modern tools. Harness the JVM's rich infrastructure while taking advantage of the expressive power and brisk performance of a modern functional language. Exploit Clojure's unique advantages for web development. Step by step, apply the fundamentals of programming in Clojure to build real-world, professional web applications. This edition features new libraries, tools, and best practices, and focuses on developing modern single-page applications. Stop developing web apps with yesterday's tools. Today, developers are increasingly adopting Clojure as a web-development platform. See for yourself what makes Clojure so desirable, as you create a series of web apps of growing complexity,**

**exhibiting the full process of web development using a modern functional language. Journey through all the steps in developing a rich Picture Gallery web application--from conception to packaging and deployment. You'll work hands-on with Clojure and build real-world, professional web apps. This fully updated second edition reveals the changes in the rapidly evolving Clojure ecosystem. Get up to speed on the many new libraries, tools, and best practices. Gain expertise in the popular Ring/Compojure stack using the Luminus framework. Learn how Clojure works with databases and speeds development of RESTful services. See why ClojureScript is rapidly becoming a popular front-end platform, and use ClojureScript with the popular Reagent library to build single-page applications. This book is for you, whether you're already familiar with Clojure or if you're completely new to the language. What You Need: The latest JVM, Clojure 1.6+, and the Leiningen build tool, as well as an editor such as Emacs, IntelliJ, Eclipse, Light Table, or VI.**

**Building Web Applications with C# and .NET Nov 01 2020 This book presents the basic knowledge and illustrative examples to build dynamic and robust web applications using the .NET Framework technology. It stresses the use of code-behind procedural coding and useful for those interested in web application development and to visual basic**

**programmers.**

**Web Development with Django Feb 28 2023 Learn how to create your own websites simply, safely, and quickly with Django by tackling practical activities based on realistic case studies Key Features Understand Django functionality and the Model-View-Template (MVT) paradigm Create and iteratively build a book review website, adding features as you build your knowledge Explore advanced concepts such as REST API implementation and third-party module integration Book Description Do you want to develop reliable and secure applications which stand out from the crowd, rather than spending hours on boilerplate code? Then the Django framework is where you should begin. Often referred to as a 'batteries included' web development framework, Django comes with all the core features needed to build a standalone application. Web Development with Django takes this philosophy and equips you with the knowledge and confidence to build real-world applications using Python. Starting with the essential concepts of Django, you'll cover its major features by building a website called Bookr - a repository for book reviews. This end-to-end case study is split into a series of bitesize projects that are presented as exercises and activities, allowing you to challenge yourself in an enjoyable and attainable way. As you progress, you'll learn**

**various practical skills, including how to serve static files to add CSS, JavaScript, and images to your application, how to implement forms to accept user input, and how to manage sessions to ensure a reliable user experience. Throughout this book, you'll cover key daily tasks that are part of the development cycle of a real-world web application. By the end of this book, you'll have the skills and confidence to creatively tackle your own ambitious projects with Django. What you will learn**

**Create a new application and add models to describe your data**  
**Use views and templates to control behavior and appearance**  
**Implement access control through authentication and permissions**  
**Develop practical web forms to add features such as file uploads**  
**Develop a RESTful API and JavaScript code that communicates with it**  
**Connect to a database such as PostgreSQL**

**Who this book is for**  
**Web Development with Django is designed for programmers who want to gain web development skills with the Django framework. To fully understand the concepts explained in this book, you must have basic knowledge of Python programming, as well as familiarity with JavaScript, HTML, and CSS.**

**React: Building Modern Web Applications Oct 24 2022**  
**Master the art of building dynamic, modern web applications with React**  
**About This Book**  
**Learn the hot new frontend web framework from**

**Facebook - ReactJS, an easy way of developing the V in MVC and a better approach to software engineering in JavaScript A fast-paced guide to designing and building scalable and maintainable web apps with React.js Learn all the new ES6 features and be among the most prominent JavaScript developers who can write efficient JS programs as per the latest standards Master the art of building modern web applications using React Learn to build modern native iOS and Android applications using JavaScript and the incredible power of React Who This Book Is For This course is for web developers that want to unlock high performance dynamism in the applications that they create. If you want a comprehensive journey into one of the most important JavaScript frameworks around today, dive into this course. What You Will Learn Take control of the front end with reactive JavaScript programming Discover what ReactJS offers your development - before mastering it Create React elements with properties and children Use JSX to speed up your React development process Test your React components with the Jest test framework Learn the latest syntax of ES6 Execute ES6 in a non-supported ES6 environment Learn the principles of object-oriented programming Create a complete single-page application Use an application design plan to write smarter, more meaningful code Learn how to use**

**animations to give extra style to your application**  
**Get to grips with the React Native environment**  
**Write your own custom native UI components**  
**Integrate native modules in Objective-C and Java**  
**that interact with JavaScript** *In Detail* **ReactJS has**  
**helped to transform the web as we know it.**  
**Designed by Facebook to help developers build**  
**rapid, responsive UI that can deal with data-**  
**intensive usage, it's an essential component in any**  
**web developer's skillset. This ReactJS course, in**  
**five connected modules, provides you with a fast,**  
**engaging and practical route into ReactJS—so you**  
**can build powerful, elegant, and modern web**  
**applications. Beginning with the Reactive**  
**Programming with JavaScript module, you will learn**  
**how to take advantage of a reactive and functional**  
**programming paradigm to rethink how you**  
**approach your JavaScript code. It's built to help you**  
**understand the concepts, relevant and applicable**  
**for any frontend developer. You'll then dive a little**  
**deeper into ReactJS. The second module gives you**  
**a rapid look through the fundamentals of ReactJS,**  
**showing you how to build a basic application and**  
**demonstrating how to implement the Flux**  
**architecture. In the third module you will get to**  
**grips with ES6—this will make you a more fluent**  
**JavaScript developer, giving you control over**  
**ReactJS. You can put your old JavaScript hacks**  
**aside and instead explore how to create ES6**

**custom iterators. In the final two modules you'll learn how to fully master ReactJS, exploring its wider ecosystem of tools that have helped to make it one of the most important tools in web development today. Ending with insights and guidance on React Native, the tool built for today's demand for native, intuitive user experiences and interfaces, with this course you can be confident in building dynamic and modern apps with React. Style and approach Consisting of five separate modules, journey from the fundamentals of reactive programming to the exciting possibilities of React Native. Each module builds on each other, helping you to incrementally develop your skills and knowledge.**

**Building Business Websites with Squarespace 7 Sep 30 2020 Discover the best way to build, design and launch professional websites with Squarespace quickly, without needing to learn any code About This Book Discover time-saving tricks and best practices, and avoid common pitfalls while creating a website Create visually stunning Responsive Design templates for your website with Squarespace 7 Understand how to monitor, measure, and manage your website after launching it Who This Book Is For This book is ideal for anyone who wants to learn how to use the latest version of Squarespace to create a website from scratch and take it through to go-live. You don't**

***need any prior experience with Squarespace, HTML, or CSS, or building websites in general as everything is done using Squarespace's simple, browser-based interface. What You Will Learn Develop an essential Website Toolkit that will act as reference and materials for your entire project, ensuring you stay on-target to meet your objectives Set up your Squarespace account, learn how the interface works, and select the correct template for your website's purpose and goals Create your website framework, fill it with content, and arrange your pages using Squarespace's easy drag-and-drop tools Customize your site's look and feel to match your brand, and create a stunning visual impact for your website on all types of devices, including mobiles and tablets Configure the core functions your business needs, whether connecting to social media, promoting events, showcasing your work, or selling goods and services online Learn time-saving tricks and how to avoid common pitfalls from an experienced professional with years of Squarespace experience Gain valuable insights about search engine optimization, communicating effectively online, and other e-marketing advice How to monitor, measure, and manage your website post-launch In Detail Squarespace is a web-based tool that allows non-technical people to create and manage professional-looking websites quickly, without needing to write***

***any code. It empowers business owners to take total control of their own websites, without needing to pay someone to design or maintain it. This book covers much more than just how to use Squarespace. It covers all aspects of creating a successful business website, from developing your brand identity, to writing and structuring content to match your target audience's needs, and dozens of other other valuable tips that will help your website shine. Most importantly, you'll learn the correct steps to follow in order to ensure your project is smooth and stress-free. The book starts by helping you plan your website project and gather all the raw materials you'll need. Next, you'll set up your account and become familiar with the terminology and tools that you'll be using. Once you've learned the basics of how the Squarespace interface, templates, and different page types operate, you will create the framework of your website, ready for you to insert content and functionality. Then, once all the core elements are in place, you'll apply the aesthetic fine-tuning needed to bring your website in line with your brand. After the aesthetics have been honed and all functions tested, you will launch your website and drive traffic to it, monitor it, and improve it. Style and approach This easy-to-follow guide will teach you to build websites the easiest way in the latest version of Squarespace.***

***Node.js Web Development May 27 2020 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**

**The The HTML and CSS Workshop Sep 11 2021 The HTML and CSS Workshop equips you with the practical knowledge to create modern responsive websites. From mastering simple HTML markup and CSS tags, through to integrating media queries and animations to create a rich, engaging user experience, you'll build your skills with the help of hands-on examples and activities.**

**Building Websites with Django May 19 2022 A beginner's guide that will help you get familiar with Django for web development. KEY FEATURES ● Learn to build websites with a strong blend of concepts and practical learning. ● Set up your public website with advanced functionalities from**

scratch. ● Explore Django architecture, components, navigation panel and templates.

**DESCRIPTION** 'Building Websites with Django' book teaches readers to develop their high-quality, feature-rich website by learning Django and its various tools. You will learn the best techniques to develop a dynamic website, right from scratch. This book focuses not only on just creating a particular application but rather develops a strong understanding of theoretical concepts with rich examples. You will learn to troubleshoot errors, develop navigation panels and add advanced functionalities like deploying on heroku server. You will read about models, templates, different types of views. You will learn to create apps and learn how to integrate different apps. By the end of this book, You will create a project from scratch and will deploy it as a public website by yourself.

**WHAT YOU WILL LEARN** ● Create a Django project from scratch and deploy them as a public website. ● Work with Django components such as Model, View, and Template. ● Interact with the database using Query Sets. ● Deploy your Django application for free on Heroku. ● Learn how to use Django's built-in authentication and authorization module effectively.

**WHO THIS BOOK IS FOR** This book is for early entrepreneurs, beginners, software professionals, bloggers and hobbyists who want to create their online presence on their own without

**having any prior technical knowledge about web tools. TABLE OF CONTENTS 1. Introduction to Django 2. An Overview of the MTV Architecture 3. Understanding Django Settings 4. Django Admin Utility 5. Interacting with the Database using Query Sets 6. Enhancing your Project 7. Understanding Models 8. Django Views 9. Django Templates 10. URL and Regex 11. Forms in Django 12. Setting up a Project 13. The Account app 14. The Genre app 15. The Post app 16. Deploying the Website**

**Web Programming Jun 20 2022 Web programming is about more than creating and formatting webpages and websites, though that is often a starting point for many. Using scripting languages such as JavaScript, Perl and PH, it becomes possible to add a lot more functionality to a site. This book teaches the essentials of working with the most important web technologies. From client development using HTML and Javascript, through to full server side applications written in ASP and Perl, the complete web system is shown.**

**Concentrating on immediately useful code rather than theory, this is a how-to book for practical and project based courses. The broad scope covered by this book begins by creating reasonably simple webpages with HTML, then working through related document and content tagging systems such as dynamic HTML and eventually XML.**

**MEAN Web Development Jun 08 2021 Develop your**

***real-time MEAN application efficiently using a combination of MongoDB, Express, Angular 2, and Node 5.0***

***About This Book\**** Construct a fully-functional MEAN application by using its components along with the best third-party modules\* Harness the power of the JavaScript ecosystem to effectively run, build, and test your MEAN application\* Gain a deep, practical understanding of real-time web application development through real-world examples

***Who This Book Is For*** If you are a JavaScript developer who is interested in building modern web applications using MongoDB, Express, Angular 2, and Node 5.0, then this book is for you. You only need knowledge of JavaScript development.

***What You Will Learn\****

- Use MongoDB to store and retrieve your application's data\****
- Connect your Express application to MongoDB and use the Mongoose module\****
- Manage your users' authentication and offer them diverse login options using Passport\****
- Structure and use an Angular 2 application in your MEAN project\****
- Use Socket.io to create real-time communication between your client and server\****
- Test your application's Express and Angular 2 entities***

***In Detail*** The MEAN stack is a collection of the most popular modern tools for web development that helps you build fast, robust, and maintainable web applications. Starting with the MEAN core frameworks, this pragmatic guide will

**explain the key concepts of each framework, how to set them up properly, and how to use popular modules to connect it all together. By following the real-world examples shown in this tutorial, you will scaffold your MEAN application architecture, add an authentication layer, and develop an MVC structure to support your project development. You will learn the best practices of maintaining clear and simple code and will see how to avoid common pitfalls. Finally, you will walk through the different tools and frameworks that will help expedite your daily development cycles. Watch how your application development grows by learning from the only guide that is solely orientated towards building a full, end-to-end, real-time application using the MEAN stack!**

**Building Web Applications with UML Nov 13 2021  
Conallen introduces architects and designers and client/server systems to issues and techniques of developing software for the Web. He expects readers to be familiar with object-oriented principles and concepts, particularly with UML (unified modeling language), and at least one Web application architecture or environment. The second edition incorporates both technical developments and his experience since 1999. He does not provide a bibliography. Annotation copyrighted by Book News, Inc., Portland, OR  
Hands-On Full Stack Development with Go Nov 25 2022 Create a real-world application in Go and**

***explore various frameworks and methodologies for full-stack development***

***Key Features***

- Organize your isomorphic codebase to enhance the maintainability of your application***
- Build web APIs and middleware in the Go language by making use of the popular Gin framework***
- Implement real-time web application functionality with WebSockets***

***Book Description***

***The Go programming language has been rapidly adopted by developers for building web applications. With its impressive performance and ease of development, Go enjoys the support of a wide variety of open source frameworks, for building scalable and high-performant web services and apps.***

***Hands-On Full Stack Development with Go is a comprehensive guide that covers all aspects of full stack development with Go. This clearly written, example-rich book begins with a practical exposure to Go development and moves on to build a frontend with the popular React framework. From there, you will build RESTful web APIs utilizing the Gin framework. After that, we will dive deeper into important software backend concepts, such as connecting to the database via an ORM, designing routes for your services, securing your services, and even charging credit cards via the popular Stripe API. We will also cover how to test, and benchmark your applications efficiently in a production environment. In the concluding chapters, we will cover isomorphic***

**developments in pure Go by learning about GopherJS. As you progress through the book, you'll gradually build a musical instrument online store application from scratch. By the end of the book, you will be confident in taking on full stack web applications in Go. What you will learn Understand Go programming by building a real-world application Learn the React framework to develop a frontend for your application Understand isomorphic web development utilizing the GopherJS framework Explore methods to write RESTful web APIs in Go using the Gin framework Learn practical topics such as ORM layers, secure communications, and Stripe's API Learn methods to benchmark and test web APIs in Go Who this book is for Hands-On Full Stack Development with Go will appeal to developers who are looking to start building amazing full stack web applications in Go. Basic knowhow of Go language and JavaScript is expected. The book targets web developers who are looking to move to the Go language.**

**Learning Web App Development Sep 23 2022 Grasp the fundamentals of web application development by building a simple database-backed app from scratch, using HTML, JavaScript, and other open source tools. Through hands-on tutorials, this practical guide shows inexperienced web app developers how to create a user interface, write a server, build client-server communication,**

**and use a cloud-based service to deploy the application. Each chapter includes practice problems, full examples, and mental models of the development workflow. Ideal for a college-level course, this book helps you get started with web app development by providing you with a solid grounding in the process. Set up a basic workflow with a text editor, version control system, and web browser Structure a user interface with HTML, and include styles with CSS Use JQuery and JavaScript to add interactivity to your application Link the client to the server with AJAX, JavaScript objects, and JSON Learn the basics of server-side programming with Node.js Store data outside your application with Redis and MongoDB Share your application by uploading it to the cloud with CloudFoundry Get basic tips for writing maintainable code on both client and server**

**Vue.js: Up and Running Apr 25 2020 Get a brisk introduction to building fast, interactive single-page web applications with Vue.js, the popular JavaScript framework that organizes and simplifies web development. With this practical guide, you'll quickly move from basics to custom components and advanced features—including JSX, the JavaScript syntax extension. Author Callum Macrae shows you how to use the most useful libraries in the Vue ecosystem, such as vue-router for routing, vuex for state management, and vue-test-utils for**

**testing. If you're a frontend developer familiar with JavaScript, HTML, and CSS, this book will show you how to develop a fully featured web application using Vue. Learn Vue.js basics, including its use of templates to display data on a page Set up Vue projects from scratch, or use vue-cli to set up from a template Create a maintainable codebase by splitting code into self-contained components Discover how Vue.js works with CSS to style your websites and applications Use render functions and JSX, rather than templates, to determine what Vue displays Control how code is executed and displayed with vue-router Manage state in one centralized place with the Vuex library Write unit tests to ensure your Vue components don't break in the future**

**Enterprise Web Development Apr 30 2023 If you want to build your organization's next web application with HTML5, this practical book will help you sort through the various frameworks, libraries, and development options that populate this stack. You'll learn several of these approaches hands-on by writing multiple versions of a sample web app throughout the book, so you can determine the right strategy for your enterprise. What's the best way to reach both mobile and desktop users? How about modularization, security, and test-driven development? With lots of working code samples, this book will help web application**

**developers and software architects navigate the growing number of HTML5 and JavaScript choices available. The book's sample apps are available at <http://savesickchild.org>. Mock up the book's working app with HTML, JavaScript, and CSS  
Rebuild the sample app, first with jQuery and then Ext JS  
Work with different build tools, code generators, and package managers  
Build a modularized version of the app with RequireJS  
Apply test-driven development with the Jasmine framework  
Use WebSocket to build an online auction for the app  
Adapt the app for both PCs and mobile with responsive web design  
Create mobile versions with jQuery Mobile, Sencha Touch, and PhoneGap**

**Building Web Apps with WordPress Feb 16 2022**  
**WordPress is much more than a blogging platform. As this practical guide clearly demonstrates, you can use WordPress to build web apps of any type—not mere content sites, but full-blown apps for specific tasks. If you have PHP experience with a smattering of HTML, CSS, and JavaScript, you'll learn how to use WordPress plugins and themes to develop fast, scalable, and secure web apps, native mobile apps, web services, and even a network of multiple WordPress sites. The authors use examples from their recently released SchoolPress app to explain concepts and techniques throughout the book. All code examples are available on**

**GitHub. Compare WordPress with traditional app development frameworks Use themes for views, and plugins for backend functionality Get suggestions for choosing WordPress plugins—or build your own Manage user accounts and roles, and access user data Build asynchronous behaviors in your app with jQuery Develop native apps for iOS and Android, using wrappers Incorporate PHP libraries, external APIs, and web service plugins Collect payments through ecommerce and membership plugins Use techniques to speed up and scale your WordPress app**

**Advanced JavaScript Jul 29 2020 Gain a deeper understanding of JavaScript and apply it to build small applications in backend, frontend, and mobile frameworks. Key Features Explore the new ES6 syntax, the event loop, and asynchronous programming Learn the test-driven development approach when building apps Master advanced JavaScript concepts to enhance your web developments skill Book Description If you are looking for a programming language to develop flexible and efficient applications, JavaScript is an obvious choice. Advanced JavaScript is a hands-on guide that takes you through JavaScript and its many features, one step at a time. You'll begin by learning how to use the new JavaScript syntax in ES6, and then work through the many other features that modern JavaScript has to offer. As**

***you progress through the chapters, you'll use asynchronous programming with callbacks and promises, handle browser events, and perform Document Object Model (DOM) manipulation. You'll also explore various methods of testing JavaScript projects. In the concluding chapters, you'll discover functional programming and learn to use it to build your apps. With this book as your guide, you'll also be able to develop APIs using Node.js and Express, create front-ends using React/Redux, and build mobile apps using React/Expo. By the end of Advanced JavaScript, you will have explored the features and benefits of JavaScript to build small applications. What you will learn Examine major features in ES6 and implement those features to build applications Create promise and callback handlers to work with asynchronous processes Develop asynchronous flows using Promise chaining and async/await syntax Manipulate the DOM with JavaScript Handle JavaScript browser events Explore Test Driven Development and build code tests with JavaScript code testing frameworks. List the benefits and drawbacks of functional programming compared to other styles Construct applications with the Node.js backend framework and the React frontend framework Who this book is for This book is designed to target anyone who wants to write JavaScript in a professional environment. We expect the audience to have used***

***JavaScript in some capacity and be familiar with the basic syntax. This book would be good for a tech enthusiast wondering when to use generators or how to use Promises and Callbacks effectively, or a novice developer who wants to deepen their knowledge on JavaScript and understand TDD.***

***High Performance JavaScript Dec 02 2020 If you're like most developers, you rely heavily on JavaScript to build interactive and quick-responding web applications. The problem is that all of those lines of JavaScript code can slow down your apps. This book reveals techniques and strategies to help you eliminate performance bottlenecks during development. You'll learn how to improve execution time, downloading, interaction with the DOM, page life cycle, and more. Yahoo! frontend engineer Nicholas C. Zakas and five other JavaScript experts -- Ross Harmes, Julien Lecomte, Steven Levithan, Stoyan Stefanov, and Matt Sweeney -- demonstrate optimal ways to load code onto a page, and offer programming tips to help your JavaScript run as efficiently and quickly as possible. You'll learn the best practices to build and deploy your files to a production environment, and tools that can help you find problems once your site goes live. Identify problem code and use faster alternatives to accomplish the same task Improve scripts by learning how JavaScript stores and accesses data Implement JavaScript code so that it doesn't slow***

**down interaction with the DOM Use optimization techniques to improve runtime performance Learn ways to ensure the UI is responsive at all times Achieve faster client-server communication Use a build system to minify files, and HTTP compression to deliver them to the browser**

**Rails Cookbook Jul 21 2022 Rails Cookbook is packed with the solutions you need to be a proficient developer with Rails, the leading framework for building the new generation of Web 2.0 applications. Recipes range from the basics, like installing Rails and setting up your development environment, to the latest techniques, such as developing RESTful web services. With applications that are code light, feature-full and built to scale quickly, Rails has revolutionized web development. The Rails Cookbook addresses scores of real-world challenges; each one includes a tested solution, plus a discussion of how and why it works, so that you can adapt the techniques to similar situations. Topics include: Modeling data with the ActiveRecord library Setting up views with ActionView and RHTML templates Building your application's logic into ActionController Testing and debugging your Rails application Building responsive web applications using JavaScript and Ajax Ensuring that your application is security and performs well Deploying your application with**

***Mongrel and Apache Using Capistrano to automate deployment Using the many Rails plugins Working with graphics Whether you're new to Rails or an experienced developer, you'll discover ways to test, debug and secure your applications, incorporate Ajax, use caching to improve performance, and put your application into production. Want to get ahead of the Web 2.0 curve? This valuable cookbook will save you hundreds of hours when developing applications with Rails.***

***Web Development Building Websites with HTML, CSS, and JavaScript Apr 06 2021 "Web Development Building Websites with HTML, CSS, and JavaScript" is a comprehensive guide to building web applications using the three core technologies of the web: HTML, CSS, and JavaScript. The book provides an introduction to each technology and explains how they work together to create interactive and engaging web pages. The book covers the basics of HTML, including how to structure content, create links, and add images and other media. It then goes on to cover CSS, including how to style web pages using stylesheets, and how to use CSS frameworks to quickly build responsive designs. Finally, the book covers JavaScript, including how to create interactive web pages with event listeners and DOM manipulation. It also covers advanced topics such as AJAX, APIs, and Node.js, which are essential for building***

**dynamic and complex web applications. Throughout the book, the author emphasizes best practices and provides practical examples and exercises to reinforce learning. Whether you are a beginner or an experienced developer, "Web Development Building Websites with HTML, CSS, and JavaScript" is a valuable resource for anyone looking to build modern, responsive, and engaging web applications.**

**Programming Social Applications Jul 09 2021  
Internet languages.**

**JavaScript by Example Oct 12 2021 A project based guide to help you get started with web development by building real-world and modern web applications**  
**About This Book\*** Learn JavaScript from scratch by building clones of popular web applications\* Understand the core concepts and techniques surrounding JavaScript with this power-packed hands-on guide\* Explore modern JavaScript frameworks and libraries such as Node, React and Webpack  
**Who This Book Is For** The target audience for this book is developers with little or basic knowledge of working with JavaScript. If you are an emerging web developer with experience in building static web pages using HTML and CSS, this book will teach you to add JavaScript elements to make your website interactive and dynamic.  
**What You Will Learn\*** A strong understanding of web application development with JavaScript and ES6.\*

***A firm foundation on which to master other JavaScript frameworks and libraries.\* Write maintainable and scalable code by organizing functions into modules.\* Importance of tools such as Node, NPM, Babel, and Webpack in Front-end development.\* Work with real-time data such as incoming video streams, texts, and so on\* Integrate React with JavaScript to build large-scale applications.\* Utilize Redux to manage data across React components and greatly speed up the development process***

***In Detail JavaScript is the programming language that all web developers need to learn. The first item on our JavaScript to-do list is building a To-do list app, which you'll have done by the end of the first chapter. You'll explore DOM manipulation with JavaScript and work with event listeners. You'll work with images and text to build a Meme creator. You will also learn about ES (ECMAScript) classes, and will be introduced to layouts using the CSS3 Flexbox. You'll also develop a responsive Event Registration form that allows users to register for your upcoming event and use charts and graphics to display registration data. You will then build a weather application, which will show you different ways perform AJAX requests and work with dynamic, external data. WebRTC enables real-time communication in a web browser; you'll learn how to use it when you build a real-time video-call and chat application later in the book. Towards***

**the end of the book, you will meet React, Facebook's JavaScript library for building user interfaces. You'll throw together a blog with React, and get a feel for why this kind of JavaScript framework is used to build large-scale applications. To make your blog more maintainable and scalable, you'll use Redux to manage data across React components.**  
**Style and approach** This project-based guide will teach you all the facets of JavaScript through real-world app examples.

**JavaScript for Modern Web Development Jan 27 2023 Beginner to Expert in Web development with JavaScript: From HTML to React-Redux**  
**KEY FEATURES** - Acquire web development skills to build independent applications - Understand the basics of HTML, CSS, JavaScript, React and Redux - Create build beautiful applications using HTML, CSS, JavaScript, React and Redux - Learn how to debug and unit test your applications properly to build good end products - Follow best practices to write good quality code and build performant applications  
**DESCRIPTION** This book will take you on a complete journey of learning web development, starting right with the basics. The book begins with the history of web development and JavaScript, how it has evolved over these years, and how it still keeps growing with new features. Next, you will learn the basic pillars of web development - HTML, CSS, and JavaScript. You

***will learn about the functional, object-oriented programming and asynchronous behaviour, and how JavaScript provides for these. Empowered with the basics, you will proceed to learn the new features of JavaScript, ES2015, and the latest ES2019. Next, you will apply your learning to build a real application to see how the Web takes shape. At the end, you will also have an introductory section on ReactJS, one of the modern frameworks for UI development and also develop a simple weather application using React. You will be introduced to Redux as the state container for React applications. This book will conclude with an introductory look at additional topics which can be taken up to become a professional and in building enterprise level applications. WHAT WILL YOU LEARN By the end of the book, you will be building real web applications to put your knowledge to practice. This book introduces all the concepts to get started with web application development. To further excel in this field, you really need to practice by building a lot many applications, implementing your own ideas or imitating existing websites. Also remember to practice additional examples provided in the code bundle of the book to master this field. WHO THIS BOOK IS FOR This book can be used by people who are completely new to software development and want to get into front-end web development by starting from***

**basics. This book can also be used by JavaScript users for a quick reference to the fundamentals of HTML, CSS, JS, and learn ReactJS with Redux, as well as the new features in JavaScript ES2019.**

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**Head First HTML5 Programming Dec 26 2022 HTML has been on a wild ride. Sure, HTML started as a mere markup language, but more recently HTML's put on some major muscle. Now we've got a language tuned for building web applications with Web storage, 2D drawing, offline support, sockets and threads, and more. And to speak this language you've got to go beyond HTML5 markup and into the world of the DOM, events, and JavaScript APIs.**

***Now you probably already know all about HTML markup (otherwise known as structure) and you know all about CSS style (presentation), but what you've been missing is JavaScript (behavior). If all you know about are structure and presentation, you can create some great looking pages, but they're still just pages. When you add behavior with JavaScript, you can create an interactive experience; even better, you can create full blown web applications. Head First HTML5 Programming is your ultimate tour guide to creating web applications with HTML5 and JavaScript, and we give you everything you need to know to build them, including: how to add interactivity to your pages, how to communicate with the world of Web services, and how to use the great new APIs being developed for HTML5. Here are just some of the things you'll learn in Head First HTML5 Programming: Learn how to make your pages truly interactive by using the power of the DOM. Finally understand how JavaScript works and take yourself from novice to well-informed in just a few chapters. Learn how JavaScript APIs fit into the HTML5 ecosystem, and how to use any API in your web pages. Use the Geolocation API to know where your users are. Bring out your inner artist with Canvas, HTML5's new 2D drawing surface. Go beyond just plugging a video into your pages, and create custom video experiences. Learn the secret to grabbing five***

***megabytes of storage in every user's browser. Improve your page's responsiveness and performance with Web workers. And much more.***

***Knockout.js Mar 25 2020 Use Knockout.js to design and build dynamic client-side web applications that are extremely responsive and easy to maintain. This example-driven book shows you how to use this lightweight JavaScript framework and its Model-View-ViewModel (MVVM) pattern. You'll learn how to build your own data bindings, extend the framework with reusable functions, and work with a server to enhance your client-side application with persistence. In the final chapter, you'll build a shopping cart to see how everything fits together. If you're a web developer with experience in JavaScript, HTML, and CSS, you're ready for Knockout. Learn how to create a ViewModel Bind HTML data and attributes, and CSS classes and styles Understand data binding in Knockout's context hierarchy Use properties that change dynamically through user interaction Work with forms by using several different bindings Bind multiple ViewModels on a single page Extend or attach custom functions to observables Perform server-side interactions with jQuery Map a JavaScript object or apply JSON data to a new object***

***Hands-On Full Stack Web Development with Aurelia Mar 17 2022 Develop rich and scalable web***

**applications with Node.js, Express.js, and MongoDB**  
**Key Features Learn the advanced features of**  
**Aurelia to build responsive web applications Write**  
**clean, modular, and testable code that will be easy**  
**to maintain and evolve Harness the power of**  
**JavaScript on the client and server side to build full-**  
**stack applications Book Description Hands-On Full**  
**Stack Web Development with Aurelia begins with a**  
**review of basic JavaScript concepts and the**  
**structure of an Aurelia application generated with**  
**the Aurelia-CLI tool. You will learn how to create**  
**interesting and intuitive application using the**  
**Aurelia-Materialize plugin, which implements the**  
**material design approach. Once you fully configure**  
**a FIFA World Cup 2018 app, you'll start creating the**  
**initial components through TDD practices and then**  
**develop backend services to process and store all**  
**the user data. This book lets you explore the NoSQL**  
**model and implement it using one of the most**  
**popular NoSQL databases, MongoDB, with some**  
**exciting libraries to make the experience effortless.**  
**You'll also be able to add some advanced behavior**  
**to your components, from managing the lifecycle**  
**properly to using dynamic binding, field**  
**validations, and the custom service layer. You will**  
**integrate your application with Google OAuth**  
**Service and learn best practices to secure your**  
**applications. Furthermore, you'll write UI Testing**  
**scripts to create high-quality Aurelia Apps and**

**explore the most used tools to run end-to-end tests. In the concluding chapters, you'll be able to deploy your application to the Cloud and Docker containers. By the end of this book, you will have learned how to create rich applications using best practices and modern approaches. What you will learn**

**Employ best practices and modern approaches to create frontend applications Learn about modern CSS preprocessors and improve the readability of your application Use the Aurelia framework to create navigable web applications Write your own tests, making your application secure and fault-tolerant Create solid RESTful APIs using the microservice architecture Understand the NoSQL paradigm and get the best performance from your database Integrate third-party libraries such as Gmail for Single Sign On Write UI testing scripts and integration tests to build extensible apps Who this book is for Hands-On Full Stack Web Development with Aurelia is for you if you are a web or full-stack JavaScript developer who has experience with traditional stacks such as LAMP, MEAN, or MERN and wish to explore the power of Aurelia and new stack with modern web technologies.**

**Full-Stack React Projects Aug 30 2020 A practical, project-based guide to full-stack JavaScript web development combining the power of React with industry-tested server-side technologies Key**

**Features** Build your career as a full-stack developer with this practical guide Understand how the different aspects of a MERN application come together through a series of practical projects Master the MERN stack by building robust social media, E-commerce store, and web-based VR game apps

**Book Description** Facebook's React combined with industry-tested, server-side technologies, such as Node, Express, and MongoDB, enables you to develop and deploy robust real-world full-stack web apps. This updated second edition focuses on the latest versions and conventions of the technologies in this stack, along with their new features such as Hooks in React and async/await in JavaScript. The book also explores advanced topics such as implementing real-time bidding, a web-based classroom app, and data visualization in an expense tracking app. Full-Stack React Projects will take you through the process of preparing the development environment for MERN stack-based web development, creating a basic skeleton app, and extending it to build six different web apps. You'll build apps for social media, classrooms, media streaming, online marketplaces with real-time bidding, and web-based games with virtual reality features. Throughout the book, you'll learn how MERN stack web development works, extend its capabilities for complex features, and gain actionable insights into creating MERN-based

**apps, along with exploring industry best practices to meet the ever-increasing demands of the real world. By the end of this React book, you'll be able to build production-ready MERN full-stack apps using advanced tools and techniques in modern web development. What you will learn**

- Extend a basic MERN-based application to build a variety of applications**
- Add real-time communication capabilities with Socket.IO**
- Implement data visualization features for React applications using Victory**
- Develop media streaming applications using MongoDB GridFS**
- Improve SEO for your MERN apps by implementing server-side rendering with data**
- Implement user authentication and authorization using JSON web tokens**
- Set up and use React 360 to develop user interfaces with VR capabilities**
- Make your MERN stack applications reliable and scalable with industry best practices**

**Who this book is for** This is one of the most useful web development books for JavaScript developers who may have worked with React but have minimal experience in full-stack development with Node, Express, and MongoDB.

**Programming ASP.NET May 07 2021** O'Reilly has once again updated its bestselling tutorial on ASP.NET, the world's leading web development tool from Microsoft. In **Programming ASP.NET, Third Edition**, authors Jesse Liberty and Dan Hurwitz give you the lowdown on the technology's latest

**version, ASP.NET 2.0, as well as Visual Studio 2005. Among the most significant improvements to ASP.NET 2.0 are new server controls and services that make you dramatically more productive. In fact, when compared to its predecessor, ASP.NET 2.0 reduces the amount of code you have to write by about 75%. Creating interactive web applications has never been easier-but that still doesn't mean it's hassle-free! The difficulty in ASP.NET 2.0 is that it's so complete and flexible that there are many pieces that must be woven together to build a robust, scalable, and efficient application. Fortunately, Programming ASP.NET, Third Edition is on the case, dispensing all the information you need to be effective with this dynamic tool. For starters, the book features a comprehensive tutorial on Web Forms, the user interface that gives web applications their look and feel. It then offers detailed explanations of all new controls, including web server controls, HTML controls, and custom controls. Used properly, these controls are able to take care of nearly all the foundation work-security, data access, layout, etc.-that you would normally have to write yourself. Free of these burdensome tasks, you can instead focus on your specific application. Other new material found in this updated edition even shows you how to create ASP.NET 2.0 pages for mobile devices. With Programming ASP.NET, Third Edition**

***at your side, there's virtually no end to the programming possibilities.***

***Full-Stack Web Development with Go Feb 04 2021***  
***A Go programmer's hands-on guide to go from building basic server-side templates to full single page apps using Tailwind CSS, Vue.js, and more***  
***Key Features Learn how to structure your Go projects, be smarter with SQLc, create middleware and secure your apps Explore different frontend frameworks and dive into Vue and Tailwind CSS Use Terraform and Docker and deploy in minutes***  
***Book Description Go is a modern programming language with capabilities to enable high-performance app development. With its growing web framework ecosystem, Go is a preferred choice for building complete web apps. This practical guide will enable you to take your Go skills to the next level building full stack apps. This book walks you through creating and developing a complete modern web service from auth, middleware, server-side rendering, databases, and modern frontend frameworks and Go-powered APIs. You'll start by structuring the app and important aspects such as networking, before integrating all the different parts together to build a complete web product. Next, you'll learn how to build and ship a complete product by starting with the fundamental building blocks of creating a Go backend. You'll apply best practices for cookies, APIs, and security, and level***

**up your skills with the fastest growing frontend framework, Vue. Once your full stack application is ready, you'll understand how to push the app to production and be prepared to serve customers and share it with the world. By the end of this book, you'll have learned how to build and ship secure, scalable, and complete products and how to combine Golang with existing products using best practices. What you will learn Discover how to quickly scaffold, structure, and build your Golang applications Design and build databases using PostgreSQL and SQLc to generate type-safe SQL code Monitor applications with centralized logging and metrics collection for high performance Explore frontend frameworks and libraries such as Vuetify, Buefy, and Tailwind CSS to build a responsive frontend for your app Communicate securely between the frontend and backend with cookies and session handling with middleware Understand how to package applications using Docker and set up CI pipelines in GitHub Who this book is for This book is for Go programmers who want to combine the power of the Go language with modern web development technologies to build complete web apps from frontend to backend. The book assumes beginner-level knowledge of HTML, CSS, and the web.**

**Sustainable Web Development with Ruby on Rails  
Aug 22 2022 A comprehensive guide to building**

**Ruby on Rails apps that can be sustained for many years.**

**How To Build a Website with HTML Feb 22 2020**

**The Web Development Glossary Mar 05 2021 The Web Development Glossary is probably the largest of its kind. With more than 2,000 terms and explanations it acquaints and reunites you with the major standards and concepts of the Web, with HTML, CSS, JavaScript, accessibility, security, performance, code quality, internationalization, localization, editors and tooling and more. The glossary then goes beyond web development, touching on computer science, design, typography, usability and user experience, information as well as project management, other disciplines of interest and relevance to the modern developer. It goes beyond, inspiring the curiosity to learn more about the Web and the people creating and using it. And still it is a glossary, of a couple of thousand terms for developers, leaning on (and giving back to) Wikipedia and the MDN Web Docs. → This is the book if you choose to extend and validate your web and software development knowledge.**

**Freelance Web Developer 101 Aug 10 2021 You probably use websites every day, but have you ever thought about building them? With the help of this book, now you can! In this exceptional step-by-step guide, you'll learn what web development is all about, which resources will help you master it,**

***and how you can build stunning and interactive websites. After instructing you on how to create your own personal web portfolio, the author will take you through all the major web development languages and technologies, including the following: • HTML • CSS • JavaScript • Bootstrap and jQuery • PHP and MySQL • WordPress Each of these chapters contains best practices and tips for success as well as a “Show Your Skills” section with practical and fun project ideas for you to apply what you’re learning. For example, “Write a JavaScript program that will run the game Chutes and Ladders thousands of times and determine the minimum, maximum, and average number of turns to win.” Lastly, you’ll find out how to transform your newfound hobby into a profitable career by becoming a freelance web developer. The author will share tips for perfecting your portfolio and finding clients, especially through the popular freelancing website Upwork. If you’ve ever been curious about web development but didn’t know where to start, this book is for you! Come and embrace both your creativity and logic by delving into the wonderful world of web development!***

***About the Expert: Liz Kazandzhy is a passionate web developer who also greatly enjoys writing and editing. As the daughter of a software engineer, she has always had a knack for technology, so when she stumbled upon web development in 2016,***

**it was love at first keystroke. She studied it voraciously and began building websites related to her personal interests, like RandomScriptureVerse.com. In time, she started branching out and building websites for others, like JonathanWhitlockArt.com. Liz currently lives in Orem, UT, with her husband Vlad and two energetic young daughters, Katya and Sophia. In the rare moments when the kids are asleep and the housework is done, she enjoys reading, writing, and developing websites. HowExpert publishes quick 'how to' guides on all topics from A to Z by everyday experts.**

**From Hardtack to Homefries Apr 18 2022 Barbara Haber, one of America's most respected authorities on the history of food, has spent years excavating fascinating stories of the ways in which meals cooked and served by women have shaped American history. As any cook knows, every meal, and every diet, has a story -- whether it relates to presidents and first ladies or to the poorest of urban immigrants. From Hardtack to Home Fries brings together the best and most inspiring of those stories, from the 1840s to the present, focusing on a remarkable assembly of little-known or forgotten Americans who determined what our country ate during some of its most trying periods. Haber's secret weapon is the cookbook. She unearths cookbooks and menus from rich and poor,**

**urban and rural, long-past and near-present and uses them to answer some fascinating puzzles: • Why was the food in Franklin and Eleanor Roosevelt's White House so famously bad? Were they trying to keep guests away, or did they themselves simply lack the taste to realize the truth? It turns out that Eleanor's chef wrote a cookbook, which solves the mystery. • How did food lure settlers to the hardship of the American West? Englishman Fred Harvey's Harvey Girls tempted them with good food and good women. • How did cooking keep alive World War II Army and Navy POWs in the Pacific? A remarkable cookbook reveals how recollections of home cooking and cooking resourcefulness helped mend bodies and spirits. From Hardtack to Home Fries uses a light touch to survey a deeply important subject. Women's work and women's roles in America's past have not always been easy to recover. Barbara Haber shows us that a single, ubiquitous, ordinary-yet-extraordinary lens can illuminate a great deal of this other half of our past. Haber includes sample recipes and rich photographs, bringing the food of bygone eras back to life. From Hardtack to Home Fries is a feast, and a delight.**

**Go Web Programming Jun 27 2020 Summary Go Web Programming teaches you how to build scalable, high-performance web applications in Go using modern design principles. Purchase of the**

**print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Go language handles the demands of scalable, high-performance web applications by providing clean and fast compiled code, garbage collection, a simple concurrency model, and a fantastic standard library. It's perfect for writing microservices or building scalable, maintainable systems. About the Book Go Web Programming teaches you how to build web applications in Go using modern design principles. You'll learn how to implement the dependency injection design pattern for writing test doubles, use concurrency in web applications, and create and consume JSON and XML in web services. Along the way, you'll discover how to minimize your dependence on external frameworks, and you'll pick up valuable productivity techniques for testing and deploying your applications. What's Inside Basics Testing and benchmarking Using concurrency Deploying to standalone servers, PaaS, and Docker Dozens of tips, tricks, and techniques About the Reader This book assumes you're familiar with Go language basics and the general concepts of web development. About the Author Sau Sheong Chang is Managing Director of Digital Technology at Singapore Power and an active contributor to the Ruby and Go communities. Table of Contents PART 1 GO AND WEB APPLICATIONS Go and web**

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**[digitaltutorials.jrn.columbia.edu](http://digitaltutorials.jrn.columbia.edu)**