

# Getting Started With Meteor Js Javascript Framework Strack Isaac

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**Building Isomorphic JavaScript Apps** - Jason Strimpel 2016-09-12

Isomorphic JavaScript, often described as the holy grail of web application development, refers to running JavaScript code on both the browser client and web application server. This application architecture has become increasingly popular for the benefits of SEO, optimized page load and full control of the UI, and isomorphic libraries are being used at companies like Walmart, Airbnb, Facebook, and Netflix. With this practical book, authors Jason Strimpel and Maxime Najim provide the knowledge you need to build and maintain your own isomorphic JavaScript apps. This book includes: Part 1 identifies different classifications of isomorphic JavaScript apps, and shows you how to set up a development environment Part 2 takes you from theory to practice by showing you how to build out your own isomorphic app Part 3 takes you through existing solutions in the market today, providing you with the knowledge you need to bring isomorphic solutions into your development workflow

**The Web Development Glossary** - Jens Oliver Meiert 2020-04-07

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.

**React Quickly** - Azat Mardan 2017-08-20

Summary React Quickly is for anyone who wants to learn React.js fast. This hands-on book teaches you the concepts you need with lots of examples, tutorials, and a large main project that gets built throughout the book. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Successful user interfaces need to be visually interesting, fast, and flowing. The React.js JavaScript library supercharges view-heavy web applications by improving data flow between UI components. React sites update visual elements efficiently and smoothly, minimizing page reloads. React is developer friendly, with a strong ecosystem to support the dev process along the full application stack. And because it's all JavaScript, React is instantly familiar. About the Book React Quickly is the tutorial for web developers who want to get started fast with React.js. Following

Carefully chosen and clearly explained examples, you'll learn React development using your existing JavaScript and web dev skills. You'll explore a host of different projects as you learn about web components, forms, and data. What's Inside Master React fundamentals Build full web apps with data and routing Test components Optimize React apps About the Reader This book is for developers comfortable building web applications with JavaScript. About the Author Azat Mardan is a Tech Fellow at Capital One with extensive experience using and teaching JavaScript and Node, and author of several books on JavaScript, Node, React, and Express. Table of Contents PART 1 - REACT FOUNDATION Meeting React Baby steps with React Introduction to JSX Making React interactive with states React component lifecycle events Handling events in React Working with forms in React Scaling React components Project: Menu component Project: Tooltip component Project: Timer component PART 2 - REACT ARCHITECTURE The Webpack build tool React routing Working with data using Redux Working with data using GraphQL Unit testing React with Jest React on Node and Universal JavaScript Project: Building a bookstore with React Router Project: Checking passwords with Jest Project: Implementing autocomplete with Jest, Express, and MongoDB APPENDIXES Appendix A - Installing applications used in this book Appendix B - React cheatsheet Appendix C - Express.js cheatsheet Appendix D - MongoDB and Mongoose cheatsheet Appendix E - ES6 for success

### Meteor: Full-Stack Web Application

Development - Fabian Vogelsteller 2016-11-22

Learn how to create mobile and full-stack web applications in JavaScript by getting a deeper insight into Meteor About This Book This step-by-step tutorial will show you how to build fast, complex web applications Over 65 hands-on recipes help you build and deploy elegant web applications Optimize your web application for production use Who This Book Is For If you are a web developer who is familiar with Meteor and has basic knowledge of web development, and you now want to explore new paradigms of single-page, real-time applications, this course is perfectly suited for you. What You Will Learn Secure your site with Meteor best practices

Create reactive templates that update themselves when data changes Add routing to a single-page application and make it appear like a real website Make your own Meteor packages and see how to make them public Rapidly build robust, responsive user interfaces Publish your own reusable custom packages Optimize your site for load speed with advanced publishers and subscribers Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more Leverage the aggregation framework to produce results with big data Optimize your site for search engine visibility In Detail Meteor is best JavaScript development platform and is packed with collections of libraries and packages bound together in a tidy way to take care of everything from development to production, making your web development easier. This course follows a learning path divided into three modules. Each module is a mini course in its own right, taking your knowledge to a new level as you progress. The first module takes you from the installation of Meteor to building a fully working web blog (including back end) to create and edit posts. Your path will begin with the basic concepts and folder structure of a Meteor project, learning how Meteor templates work to test packages, and seeing the application itself. The second module is a cookbook that starts with simple recipes designed for quick reference, and culminating advanced recipes that walk you through building and deploying a complete application. The cookbook covers all the major areas of Meteor development, including lesser-known and undocumented features too. With all the important concepts covered in the previous modules, the third module will get you equipped with simple solutions to boost your development skills. You'll learn about mapping of real-world data and optimizing it, how to optimize and secure web applications and how to deploy and maintain it without breaking its features. Throughout the module, you will put your skills into practice and build an online shop from scratch. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Building Single-page Web Apps with Meteor, Fabian Vogelsteller Meteor Cookbook, Isaac Strack Meteor Design

Patterns, Marcelo Reyna Style and approach  
This practical handbook has a step-by-step approach to help you improve your developer skills and efficiently built web applications using Meteor.

### **JavaScript Frameworks for Modern Web Development** - Sufyan bin Uzayr 2019-10-31

Enrich your software design skills and take a guided tour of the wild, vast, and untamed frontier that is JavaScript development. Especially useful for frontend developers, this revision includes specific chapters on React and VueJS, as well as an updated one on Angular. To help you get the most of your new skills, each chapter also has a "further reading" section. This book will serve as an introduction to both new and well established libraries and frameworks, such as Angular, VueJS, React, Grunt, Yeoman, RequireJS, Browserify, Knockout, Kraken, Async.js, Underscore, and Lodash. It also covers utilities that have gained popular traction and support from seasoned developers and tools applicable to the entire development stack, both client- and server-side. While no single book can possibly cover every JavaScript library of value, JavaScript Frameworks for Modern Web Development focuses on incredibly useful libraries and frameworks that production software uses. You will be treated to detailed analyses and sample code for tools that manage dependencies, structure code in a modular fashion, automate repetitive build tasks, create specialized servers, structure client side applications, facilitate horizontal scaling, and interacting with disparate data stores. What You'll Learn Work with a variety of JavaScript frameworks, such as Angular, Vue, React, RequireJS, Knockout, and more Choose the right framework for different types of projects Employ the appropriate libraries and tools in your projects Discover useful JavaScript development tools such as Grunt, Yeoman, Lodash, etc. Who This Book Is For Web developers of all levels of ability; particularly relevant for front-end developers, server-side coders, and developers interested in learning JavaScript.

### **Meteor Design Patterns** - Marcelo Reyna 2015-10-21

Accelerate your code writing skills with over twenty programming patterns that will make your code easier to maintain and scale About

This Book Optimize your web application for production use Build views and controllers with minimal effort that will evolve with your application Learn how to maintain a MeteorJS project while it is running in production Who This Book Is For This book is for developers who have already had an introductory course with Meteor. Basic knowledge of web development is recommended. What You Will Learn Use of Jade, Stylus, and CoffeeScript to speed up web development Increase productivity by leveraging the best packages in the community Optimize your site for load speed with advanced publishers and subscribers Leverage the aggregation framework to produce results with big data Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more Optimize your site for search engine visibility Secure your site with Meteor's best practices Track the live status of your application, ensuring all errors have been taken care of In Detail With the increasing interest in NodeJS web applications, a new framework, Meteor, has joined the ranks to simplify developer workflows. Meteor is one of the few open source frameworks that has received funding since its early development stages. It builds on ideas from existing frameworks and libraries, offering developers an easy way to develop a prototype app. At the same time, it gives them the tools and flexibility to build a fully fledged production app. Meteor is the weapon of choice for start-ups in today's world. Meteor Design Patterns cuts through the jargon that most websites play with and gets to the point with simple solutions that will boost your development skills. We start off with a refresher on the basics of JavaScript programming such as templates, CoffeeScript, the Event Loop, and the Merge Box, amongst others. You then learn how to map real-world data and optimize the data's publishers to output data with the least amount of work done by the server with some subscribe and publish patterns. Next, using front-end patterns, you will learn how to create maintainable and trackable forms, and make our site crawlable by any search engine. Following this, you will see how to optimize and secure the web application and maintain applications without breaking other features. Finally, you will learn how to deploy a

secure production-ready application while learning to set up modulus, compose with Oprog tracking and SSL certificates, as well as error tracking with Kadira. Throughout the book, you will put your skills to practice and build an online shop from scratch. By the end of the book, you will have built a feature-rich online shop.

**Style and approach** The book is a practical handbook on how to build an e-commerce web app using Meteor. Every topic ties into the webapp to easily illustrate the concepts that you are learning about.

### **Vue.js 2 Web Development Projects -**

Guillaume Chau 2017-11-30

A project-based, practical guide to get hands-on into Vue.js 2.5 development by building beautiful, functional and performant web applications

**About This Book\*** Build exciting real world web projects from scratch and become proefficient with Vue.js Web Development\* Take your app to the next level with animation, routing, state management, server-side rendering and i18n\* Learn professional web programming techniques to supercharge your Vue.js projects

**Who This Book Is For** If you are a web developer who now wants to create rich and interactive professional applications using Vue.js, then this book is for you. Prior knowledge of JavaScript is assumed. Familiarity with HTML, Node.js, and tools such as npm and webpack will be helpful but not necessary.

**What You Will Learn\*** Set up a full Vue.js npm project with the webpack build tool and the official scaffolding tool, vue-cli\* Write automatically updated templates with directives to create a dynamic web application\* Structure the app with reusable and maintainable components\* Create delightful user experiences with animations\* Use build tools and preprocessor to make larger professional applications\* Create a multi-page application with the official Vue.js routing library\* Integrate non-Vue.js elements into your apps like Google Maps\* Use the official state-management library to prevent errors\* Optimize your app for SEO and performance with server-side rendering and internationalization

**In Detail** Do you want to make your web application amazingly responsive? Are you unhappy with your app's performance and looking forward to trying out ways to make your app more powerful? Then Vue.js, a framework for building

user interfaces, is a great choice, and this book is the ideal way to put it through its paces. This book's project-based approach will get you to build six stunning applications from scratch and gain valuable insights in Vue.js 2.5. You'll start by learning the basics of Vue.js and create your first web app using directives along with rich and attractive user experiences. You will learn about animations and interactivity by creating a browser-based game. Using the available tools and preprocessor, you will learn how to create multi-page apps with plugins. You will create highly efficient and performant functional components for your app. Next, you will create your own online store and optimize it. Finally, you will integrate Vue.js with the real-time Meteor library and create a dashboard showing real-time data. By the end of this book you will have enough skills and will have worked through enough examples of real Vue.js projects to create interactive professional web applications with Vue.js 2.5.

**Style and approach** Project-based guide that will help you start building applications immediately with an easy to follow approach. Our book will have 6 concrete projects. It will take readers through clear and logical steps, with screenshots and tips along the way to help you follow the guide and learn how to get more from Vue.js.

**Proceedings of the XV International symposium Symorg 2016 -** Ondrej Jaško  
2016-06-03

[Hands-on Scala Programming: Learn Scala in a Practical, Project-Based Way](#) - Haoyi Li  
2020-07-11

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

**Full Stack JavaScript** - Azat Mardan  
2015-12-30

This is a hands-on book which introduces you to agile JavaScript web and mobile software

development using the latest cutting-edge front-end and back-end technologies including: Node.js, MongoDB, Backbone.js, Parse.com, Heroku and Windows Azure. Practical examples include building multiple versions of the Chat app: •jQuery + Parse.com JS REST API •Backbone and Parse.com JS SDK •Backbone and Node.js •Backbone and Node.js + MongoDB The Chat application has all the foundation of a typical web/mobile application: fetching data, displaying it, submitting new data. Other examples in the book are as follows: •jQuery + Twitter RESP API “Tweet Analyzer” •Parse.com “Save John” •MongoDB “Print Collections” •Backbone.js “Apple Database” •Monk + Express.js “REST API Server” This book will save you many hours by providing a hand-picked and tested collection of quick start guides. RPJS has practical examples that allow to spend less time learning and more time building your own applications. Prototype fast and ship code that matters! What You will Learn: You should expect a basic understanding from a collection of quick start guides, tutorials and suggestions for the development apps discussed in this book. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You’ll learn from the examples of Chat web/mobile applications starting with front-end components and by the end we’ll put front-end and back-end together and deploy to the production environment. Who This Book is For: The typical programmer who wants to learn more about effective JavaScript coding.

Socket. IO Real-Time Web Application Development - Rohit Rai 2013-01-01  
Socket.io Real-time Web Application Development.

**Advanced Blockchain Technology** - Liang Cai 2022-08-25

This book is a must-have for blockchain developers who want to learn from scratch how to leverage blockchain technology in a real-world setting. The first section provides a brief overview of blockchain technology, including its concepts, history, technology genre, major related companies and typical application scenarios, and presents an ecological map for the blockchain industry by comparing and analyzing some mainstream platforms. The

second section systematically introduces Ethereum and HyperLedger, exemplars of well-known open-source blockchain platforms, and demonstrates how to conduct blockchain applications development based on the two platforms. The third section illustrates core technology of enterprise blockchain platforms (to take Hyperchain, an independent, controllable blockchain alliance as an example), and covers Hyperchain based enterprise blockchain applications development technology. The fourth section presents 6 actual blockchain-based applications examples, and analyzes applications development procedure and related key codes. Examples in this book are of great practicability and operability, allowing practitioners to get started easily, and eventually utilize these skills to develop real-life, usable blockchain applications.

FinTech - Parag Y Arjunwadkar 2018-04-17  
Everything that we know about the world of finance is changing before us. Innovation is happening constantly, despite the protests of the traditional financial industry. With all the new technology that we have today, it is almost mind-blowing to think about the kind of technology that we will have in another ten years or so. The change is going to keep coming, the only thing we can do is get on board with it. This book introduces the basics of FinTech and equips readers with the knowledge to get on the cutting edge of age we live in today.

Meteor in Action - Stephan Hochhaus 2015-09-17

Summary Meteor in Action teaches you full-stack web development using the Meteor platform. It starts with an overview of a Meteor application, revealing the unique nature of Meteor's end-to-end application model. Then you'll dive into the Blaze templating engine, discover Meteor's reactive data sources model, learn simple and advanced routing techniques, and practice managing users, permissions, and roles. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book You might call Meteor a reactive, isomorphic, full-stack web development framework. Or, like most developers who have tried it, you might just call it awesome. Meteor is a JavaScript-based framework for both client and server web and

mobile applications. Meteor applications react to changes in data instantly, so you get impossibly responsive user experiences, and the consistent build process, unified front- and back-end package system, and one-command deploys save you time at every step from design to release.

Meteor in Action teaches you full-stack web development with Meteor. It starts by revealing the unique nature of Meteor's end-to-end application model. Through real-world scenarios, you'll dive into the Blaze templating engine, discover Meteor's reactive data sources model, learn routing techniques, and practice managing users, permissions, and roles. Finally, you'll learn how to deploy Meteor on your server and scale efficiently. What's Inside Building your first real-time application Using MongoDB and other reactive data sources Creating applications with Iron Router Deploying and scaling your applications About the Reader Readers need to know the basics of JavaScript and understand general web application design. About the Authors Stephan Hochhaus and Manuel Schoebel are veteran web developers who have worked with Meteor since its infancy. Table of Contents PART 1 LOOK—A SHOOTING STAR! A better way to build apps My fridge! A reactive gamePART 2 3, 2, 1—IMPACT! Working with templates Working with data Fully reactive editing Users, authentications, and permissions Exchanging data Routing using Iron.Router The package system Advanced server methods PART 3 LEAVING THE CRATER Building and debugging Going into production

Meteor Cookbook - Isaac Strack 2015-05-27

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

### **Landslides and Engineered Slopes.**

**Experience, Theory and Practice** - Stefano Aversa 2018-04-17

Landslides and Engineered Slopes. Experience, Theory and Practice contains the invited lectures

and all papers presented at the 12th International Symposium on Landslides, (Naples, Italy, 12-19 June 2016). The book aims to emphasize the relationship between landslides and other natural hazards. Hence, three of the main sessions focus on Volcanic-induced landslides, Earthquake-induced landslides and Weather-induced landslides respectively, while the fourth main session deals with Human-induced landslides. Some papers presented in a special session devoted to "Subareal and submarine landslide processes and hazard" and in a "Young Session" complete the books.

Landslides and Engineered Slopes. Experience, Theory and Practice underlines the importance of the classic approach of modern science, which moves from experience to theory, as the basic instrument to study landslides. Experience is the key to understand the natural phenomena focusing on all the factors that play a major role. Theory is the instrument to manage the data provided by experience following a mathematical approach; this allows not only to clarify the nature and the deep causes of phenomena but mostly, to predict future and, if required, manage similar events. Practical benefits from the results of theory to protect people and man-made works. Landslides and Engineered Slopes. Experience, Theory and Practice is useful to scientists and practitioners working in the areas of rock and soil mechanics, geotechnical engineering, engineering geology and geology.

### **Hands-On TypeScript for C# and .NET Core Developers**

- Francesco Abbruzzese 2018-10-31  
Discover how TypeScript allows you to build modern client-rich applications, thanks to its object-oriented capabilities and third-party tools like Angular and Web APIs Key FeaturesMake a seamless transition to using TypeScript 3.1 in your development stackWork with TypeScript 3.1 in your ASP.NET Core projects to build rich applications that are easy to maintainBuild, test, and integrate your own TypeScript library in real-world projectsBook Description Writing clean, object-oriented code in JavaScript gets trickier and complex as the size of the project grows. This is where Typescript comes into the picture; it lets you write pure object-oriented code with ease, giving it the upper hand over JavaScript. This book introduces you to basic TypeScript concepts by gradually modifying

standard JavaScript code, which makes learning TypeScript easy for C# ASP.NET developers. As you progress through the chapters, you'll cover object programming concepts, such as classes, interfaces, and generics, and understand how they are related to, and similar in, both ES6 and C#. You will also learn how to use bundlers like WebPack to package your code and other resources. The book explains all concepts using practical examples of ASP.NET Core projects, and reusable TypeScript libraries. Finally, you'll explore the features that TypeScript inherits from either ES6 or C#, or both of them, such as Symbols, Iterables, Promises, and Decorators. By the end of the book, you'll be able to apply all TypeScript concepts to understand the Angular framework better, and you'll have become comfortable with the way in which modules, components, and services are defined and used in Angular. You'll also have gained a good understanding of all the features included in the Angular/ASP.NET Core Visual Studio project template. What you will learn Organize, test, and package large TypeScript code base Add TypeScript to projects using TypeScript declaration files Perform DOM manipulation with TypeScript Develop Angular projects with the Visual Studio Angular project template Define and use inheritance, abstract classes, and methods Leverage TypeScript-type compatibility rules Use WebPack to bundle JavaScript and other resources such as CSS to improve performance Build custom directives and attributes, and learn about animations Who this book is for If you're a C# or .NET developer looking for an easy accessible way of learning TypeScript, this book is for you.

### **JavaScript for Modern Web Development -**

Alok Ranjan 2020-04-18

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. Table of Contents 1. History of JS and how it has revolutionized web development 2. HTML: Creating Web Content 3. CSS: Making content beautiful 4. JavaScript Programming: Making application Interactive 5. Functional programming with JavaScript 6. Object-Oriented JavaScript 7. Asynchronous Programming 8. What's new in ES2019 JavaScript 9. Building an application with JavaScript 10. Debugging

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applications 18. What is next - for becoming a  
pro?

Getting the Most Out of Node. Js Frameworks -  
Sufyan Bin Uzayr 2022

ABOUT THE BOOK Gain the knowledge you  
need to navigate your way confidently through  
the ever-expanding landscape of modern  
JavaScript technologies. With more than 100  
Node.js frameworks available and the number  
rising every month, it is becoming increasingly  
difficult to avoid JavaScript fatigue and keep  
abreast of the developments that are most useful  
and relevant to your own projects. In such a  
saturated environment, the knowledge of exactly  
which tools will best fit your goals is invaluable.  
This book will guide you through the quagmire  
by clearly and comprehensively outlining the  
most practically useful Node frameworks,  
libraries, and tools, as well as how they might be  
employed in your own projects. You will learn  
about JavaScript frameworks, including such as  
Polymer, Webix, Aurelia, Svelte, and Meteor.  
This book will empower you to cut through the  
noise and learn how to achieve your career goals  
with the right tools meant especially for you.

WHAT WILL YOU LEARN The what, why and  
how behind a variety of JavaScript Node  
frameworks, including Polymer, Aurelia, and  
Svelte How to choose the right Node framework  
for different types of projects How to ensure  
server-side optimization is done correctly, even  
if you are not a server admin Guide to such JS  
tools as Gulp, Grunt, and npm WHO IS THIS  
BOOK FOR Web developers looking to learn  
JavaScript; web development beginners;  
JavaScript developers; and frontend developers.

**Vue.js 2 Web Development Projects -**  
Guillaume Chau 2017-11-30

A project-based, practical guide to get hands-on  
into Vue.js 2.5 development by building  
beautiful, functional and performant web  
applications About This Book Build exciting real  
world web projects from scratch and become  
proefficient with Vue.js Web Development Take  
your app to the next level with animation,

routing, state management, server-side  
rendering and i18n Learn professional web  
programming techniques to supercharge your  
Vue.js projects Who This Book Is For If you are a  
web developer who now wants to create rich and  
interactive professional applications using  
Vue.js, then this book is for you. Prior knowledge  
of JavaScript is assumed. Familiarity with HTML,  
Node.js, and tools such as npm and webpack will  
be helpful but not necessary. What You Will  
Learn Set up a full Vue.js npm project with the  
webpack build tool and the official scaffolding  
tool, vue-cli Write automatically updated  
templates with directives to create a dynamic  
web application Structure the app with reusable  
and maintainable components Create delightful  
user experiences with animations Use build tools  
and preprocessor to make larger professional  
applications Create a multi-page application  
with the official Vue.js routing library Integrate  
non-Vue.js elements into your apps like Google  
Maps Use the official state-management library  
to prevent errors Optimize your app for SEO and  
performance with server-side rendering and  
internationalization In Detail Do you want to  
make your web application amazingly  
responsive? Are you unhappy with your app's  
performance and looking forward to trying out  
ways to make your app more powerful? Then  
Vue.js, a framework for building user interfaces,  
is a great choice, and this book is the ideal way  
to put it through its paces. This book's project-  
based approach will get you to build six stunning  
applications from scratch and gain valuable  
insights in Vue.js 2.5. You'll start by learning the  
basics of Vue.js and create your first web app  
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and preprocessor, you will learn how to create  
multi-page apps with plugins. You will create  
highly efficient and performant functional  
components for your app. Next, you will create  
your own online store and optimize it. Finally,  
you will integrate Vue.js with the real-time  
Meteor library and create a dashboard showing  
real-time data. By the end of this book you will  
have enough skills and will have worked through  
enough examples of real Vue.js projects to  
create interactive professional web applications

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with Vue.js 2.5. Style and approach Project-based guide that will help you start building applications immediately with an easy to follow approach. Our book will have 6 concrete projects. It will take readers through clear and logical steps, with screenshots and tips along the way to help you follow the guide and learn how to get more from Vue.js.

[Building APIs with Node.js](#) - Caio Ribeiro Pereira 2016-12-10

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

### **Mastering MeteorJS Application**

**Development** - Jebin B V 2015-12-30

MeteorJS makes full-stack JavaScript Application Development simple - Learn how to build better modern web apps with MeteorJS, and become an expert in the innovative JavaScript framework About This Book Get your dream project up and running by building exceptional MeteorJS applications in a matter of days Learn how to integrate other JavaScript frameworks into your MeteorJS project and become an expert in full-stack development Go beyond coding and learn how to make modern design decisions - from mobile design to SEO - that drive great user experiences Who This Book Is For If you've already had some experience with MeteorJS but want to learn how to build even better modern

web application, this book has been created for you. It provides you with a comprehensive look at one of those most important frameworks being used for the modern web today. What You Will Learn Get to grips with the basics and learn how to build a complete real-time application with MeteorJS Find out how Meteor makes full-stack development simple - become a better developer, fast. Use some of the most effective testing tools in modern web development to troubleshoot, debug and optimize your app Find out how to write custom packages for applications - so you can build your project exactly how you want Integrate React and Angular into your project Design and develop high quality animations that will give your UI the edge Build MeteorJS to serve as REST-based application and reactive system Learn how to host a MeteorJS application and then scale it for data Find out how MeteorJS can help you build for mobile Learn how to make sure you implement an effective SEO strategy in your MeteorJS application In Detail The web is dead - applications now rule our online experiences. But how are you going to build them? Well, if you've been paying attention, you might already have tried your hand with MeteorJS, the JavaScript framework that helps you build complete full-stack web applications that are responsive and fast with ease. Mastering MeteorJS Application Development shows you how to do even more with MeteorJS - if you're ready to try a comprehensive course through one of the most exciting frameworks in web development today, this is the book you need. Designed to take you through the entire process of building an advanced multipage application with Meteor, you'll be able to bring your web development ideas with surprising ease. You'll not only learn how Meteor makes web development easier, but also how you can make using Meteor easier, by automating and simplifying tasks so you can be confident you have full control of everything in your workflow - especially everything that could go wrong. From automated testing to integrating other useful frameworks such as Angular and D3, each chapter covers a crucial element in the Meteor development process. Discover how to integrate animations using Meteor's Blaze, to give your UI designs the edge, and explore reactive

programming to effectively harness RESTful systems in your projects. You will also learn how to deploy and scale your application, two crucial aspects of modern development and vital in a changing digital environment with users expecting a product and experience that delivers. With further insights on developing for mobile - and how Meteor can help you tackle the challenges of the trend - and details on incorporating SEO strategies into your application, this book isn't just a code tutorial - it's about creating a product that users love. Style and approach This book is a practical guide that teaches you different ways to create custom packages, efficient client and server code, and more using Meteor. This book is packed with perfect examples and explanations to help you understand the concepts. With the perfect mix of theory and practical experience, it will equip you to become a professional MeteorJS developer.

**Mastering JavaScript Single Page Application Development** - Philip Klauzinski  
2016-10-28

An in-depth guide to exploring the design, architecture, and techniques behind building sophisticated, scalable, and maintainable single-page applications in JavaScript About This Book Build large-scale, feature-complete SPAs by leveraging widely used tools and techniques. Gain a solid understanding of architecture and SPA design to build applications using the library or framework of your choice. Explore the various facets of SPA development to build web apps that are fast, scalable, and easy to test. Who This Book Is For This book is ideal for JavaScript developers who want to build complex single-page applications in JavaScript. Some basic understanding of SPA concepts will be helpful but not essential. What You Will Learn Organize your development environment using the command line with NPM, Bower, and Grunt. Choose an accurate design pattern for your app Understand modular JavaScript programming and Node.js Interact with a REST API using JavaScript and AJAX with practical examples Build a single page application using the MEAN stack Connect your app across popular social media platforms such as Facebook, Twitter, and LinkedIn Test your app, both on the server side and in views Prepare your app for the real world

and deploy it to Heroku In Detail Single-page web applications—or SPAs, as they are commonly referred to—are quickly becoming the de facto standard for web app development. The fact that a major part of the app runs inside a single web page makes it very interesting and appealing. Also, the accelerated growth of browser capabilities is pushing us closer to the day when all apps will run entirely in the browser. This book will take your JavaScript development skills to the next level by teaching you to create a single-page application within a full-stack JavaScript environment. Using only JavaScript, you can go from being a front-end developer to a full-stack application developer with relative ease. You will learn to cross the boundary from front-end development to server-side development through the use of JavaScript on both ends. Use your existing knowledge of JavaScript by learning to manage a JSON document data store with MongoDB, writing a JavaScript powered REST API with Node.js and Express, and designing a front-end powered by AngularJS. This book will teach you to leverage the MEAN stack to do everything from document database design, routing REST web API requests, data-binding within views, and adding authentication and security to building a full-fledged, complex, single-page web application. In addition to building a full-stack JavaScript app, you will learn to test it with JavaScript-powered testing tools such as Mocha, Karma, and Jasmine. Finally, you will learn about deployment and scaling so that you can launch your own apps into the real world. Style and approach Following a structured approach, this book helps readers gain expertise in SPA development. Its thorough coverage of SPA architecture and design, along with practical use cases, provides readers with a clear path to building applications with the library of their choice. For readers who are afraid to take the plunge straightaway, the book also offers step-by-step guidance on developing a complex web app.

[Getting Started with Knockout.js for .NET Developers](#) - Andrey Akinshin 2015-05-27

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

Razor, and creating web applications is needed.  
[Freelance Web Developer 101](#) - HowExpert  
2019-04-12

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.

[Meteor: Full-Stack Web Application Development](#) - Fabian Vogelsteller 2016-11-22  
Learn how to create mobile and full-stack web applications in JavaScript by getting a deeper insight into Meteor About This Book- This step-by-step tutorial will show you how to build fast, complex web applications- Over 65 hands-on recipes help you build and deploy elegant web applications- Optimize your web application for production use Who This Book Is For If you are a web developer who is familiar with Meteor and has basic knowledge of web development, and you now want to explore new paradigms of single-page, real-time applications, this course is perfectly suited for you. What You Will Learn- Secure your site with Meteor best practices- Create reactive templates that update themselves when data changes- Add routing to a single-page application and make it appear like a real website- Make your own Meteor packages and see how to make them public- Rapidly build robust, responsive user interfaces- Publish your own reusable custom packages- Optimize your site for load speed with advanced publishers and subscribers- Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more- Leverage the aggregation framework to produce results with big data- Optimize your site for search engine visibility In Detail Meteor is best JavaScript development platform and is packed with collections of libraries and packages bound together in a tidy way to take care of everything from development to production, making your web development easier. This course follows a learning path divided into three modules. Each module is a mini course in its own right, taking your knowledge to a new level as you progress. The first module takes you from the installation of Meteor to building a fully working web blog (including back end) to create and edit posts. Your path will begin with the basic concepts and folder structure of a Meteor project, learning how Meteor templates work to test packages, and seeing the application itself. The second module is a cookbook that starts with simple recipes designed for quick reference, and culminating advanced recipes that walk you through building and deploying a complete

application. The cookbook covers all the major areas of Meteor development, including lesser-known and undocumented features too. With all the important concepts covered in the previous modules, the third module will get you equipped with simple solutions to boost your development skills. You'll learn about mapping of real-world data and optimizing it, how to optimize and secure web applications and how to deploy and maintain it without breaking its features.

Throughout the module, you will put your skills into practice and build an online shop from scratch. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products:- Building Single-page Web Apps with Meteor, Fabian Vogelsteller- Meteor Cookbook, Isaac Strack- Meteor Design Patterns, Marcelo ReynaStyle and approach This practical handbook has a step-by-step approach to help you improve your developer skills and efficiently built web applications using Meteor.

[Pro Express.js](#) - Azat Mardan 2014-12-26

Pro Express.js is for the reader who wants to quickly get up-to-speed with Express.js, the flexible Node.js framework. Author Azat Mardan clearly explains how to start developing with Express.js with a basic 'Hello World', and then delves into a deep API reference, before looking at common and abstract development problems. Lastly, you will learn how to build a series of real-world apps in order to cement your knowledge. In order to get the best from this book, you will be familiar with Node.js scripts and able to install packages using npm. In the deep API reference, each aspect of the Express.js API is explained clearly with a simple exercise to demonstrate its usage. This includes configuration, settings and environments; different middleware and its uses; templating engines; extracting parameters and routing; request and response; error handling; and running an app. In the next part you'll delve into abstraction, streams, authentication, multithreading, Socket.io, security, and more complex modules. You will also learn about smaller frameworks built using Express.js, such as Sails.js, and Derby. Finally you'll build real-world apps including a REST API, Todo App, and Instagram gallery. Express.js is used by a range of well-known companies such as MySpace and

Storify, and it's becoming more and more likely that it'll be a required skill for new developers. With this book you can skip learning via complicated documentation, and get the information from a developer who's been using Express.js for long enough to explain things well. Add Pro Express.js to your library today.

**Introducing Ethereum and Solidity** - Chris Dannen 2017-03-16

Learn how to use Solidity and the Ethereum project - second only to Bitcoin in market capitalization. Blockchain protocols are taking the world by storm, and the Ethereum project, with its Turing-complete scripting language Solidity, has rapidly become a front-runner. This book presents the blockchain phenomenon in context; then situates Ethereum in a world pioneered by Bitcoin. See why professionals and non-professionals alike are honing their skills in smart contract patterns and distributed application development. You'll review the fundamentals of programming and networking, alongside its introduction to the new discipline of crypto-economics. You'll then deploy smart contracts of your own, and learn how they can serve as a back-end for JavaScript and HTML applications on the Web. Many Solidity tutorials out there today have the same flaw: they are written for "advanced" JavaScript developers who want to transfer their skills to a blockchain environment. Introducing Ethereum and Solidity is accessible to technology professionals and enthusiasts of all levels. You'll find exciting sample code that can move forward real world assets in both the academic and the corporate arenas. Find out now why this book is a powerful gateway for creative technologists of all types, from concept to deployment. What You'll Learn See how Ethereum (and other cryptocurrencies) work Compare distributed apps (dapps) to web apps Write Ethereum smart contracts in Solidity Connect Ethereum smart contracts to your HTML/CSS/JavaScript web applications Deploy your own dapp, coin, and blockchain Work with basic and intermediate smart contracts Who This Book Is For Anyone who is curious about Ethereum or has some familiarity with computer science Product managers, CTOs, and experienced JavaScript programmers Experts will find the advanced sample projects in this book rewarding because of the power of Solidity

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Full Circle Magazine #9 Ronnie Tucker  
2015-05-29

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

**Build Applications with Meteor** - Dobrin  
Ganev 2017-05-30

Build a variety of cross-platform applications  
with the world's most complete full-stack  
JavaScript framework— Meteor About This Book  
Develop a set of real-world applications each  
exploring different features of Meteor Make  
your app more appealing by adding reactivity  
and responsiveness to it Work with the most  
powerful feature of Meteor—the “full stack  
reactivity”—through building real-time  
applications with many third party libraries Who  
This Book Is For If you are a developer who is  
looking forward to taking your application  
development skills with Meteor to next level by  
getting your hands-on different projects, this  
book is for you. What You Will Learn See how  
Meteor fits in the modern web application  
development by using its reactive data system  
Make your front-end behave consistently across  
environments by implementing a predictable  
state container with Redux Get familiar with  
React and overview of Angular 2 Add a map to  
your application with a real-time geolocation  
Plugin into Meteor social media APIs like  
Twitter's streaming and Facebook's Messenger  
Add search functionality from scratch to your  
existing app and data Add responsiveness with  
Bootstrap 4 and Google's Material Design using  
Less and Sass Distribute your data across  
machines and data centers by adding Apache  
Cassandra to your existing stack. Learn how to  
scale your microservices with the high  
performant language neutral framework gRPC.  
Learn how to query multiple data sources using  
GraphQL. In Detail This book starts with the  
basic installation and overview of the main  
components in Meteor. You'll get hands-on  
multiple versatile applications covering a wide  
range of topics from adding a front-end views  
with the hottest rendering technology React to

implementing a microservices oriented  
architecture.All the code is written with ES6/7  
which is the latest significantly improved  
JavaScript language. We'll also look at real-time  
data streaming, server to server data exchange,  
responsive styles on the front-end, full-text  
search functionality, and integration of many  
third-party libraries and APIs using npm. By the  
end of the book, you'll have the skills to quickly  
prototype and even launch your next app idea in  
a matter of days. Style and Approach This book  
takes an easy-to-follow project-based approach.  
Each project starts with the goal of what you will  
learn and an overview the technologies used.  
Intelligent Tutoring Systems - Alessandro  
Micarelli 2016-06-01

This book constitutes the refereed proceedings  
of the 13th International Conference on  
Intelligent Tutoring Systems, ITS 2016, held in  
Zagreb, Croatia, in June 2016. The 20 revised  
full papers, 32 short papers, 35 posters, and 7  
young researchers' track papers presented in  
this volume were carefully reviewed and  
selected from 147 submissions. The specific  
theme of the ITS 2016 conference is "Adaptive  
Learning in Real World Contexts". ITS 2016  
covers a wide range of topics such as: intelligent  
tutoring; informal learning environments,  
learning as a side effect of interactions;  
collaborative and group learning, communities  
of practice and social networks; simulation-  
based learning and serious games; dialogue and  
discourse during learning interactions; co-  
adaptation between technologies and human  
learning; ubiquitous and mobile learning  
environments; empirical studies of learning with  
technologies, understanding human learning on  
the web; adaptive support for learning, models  
of learners, diagnosis and feedback; modeling of  
motivation, metacognition, and affect aspects of  
learning; recommender systems for learning;  
virtual pedagogical agents and learning  
companions; ontological modeling, semantic web  
technologies and standards for learning; multi-  
agent and service oriented architectures for  
learning and tutoring environments; educational  
exploitation of data mining and machine learning  
techniques; instructional design principles or  
design patterns for educational environments;  
authoring tools and development methodologies  
for advanced learning technologies; domain-

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specific learning technologies, e.g. language, mathematics, reading, science, medicine, military, and industry; non conventional interactions between artificial intelligence and human learning; and privacy and security in e-learning environments.

### **Getting Started with Meteor.js JavaScript Framework** - Isaac Strack 2015-06-30

Meteor is one of the most popular development platforms available today, allowing you to create and deploy mobile and web applications in a fraction of the time needed by other JavaScript frameworks. Getting Started with Meteor.js JavaScript Framework Second Edition is an easy to follow, step-by-step approach to learning how to build modern web applications with Meteor. You will begin with a look "under the hood" to see what makes Meteor so special. Next, you will build a complete, working application from scratch, gaining a thorough understanding of Meteor's major features including: data on the wire, web templates, declarative programming, full-stack reactivity, modularity, third-party packages, and MongoDB/NoSQL databases. Finally, you will learn how to harden your app, prepare it for production release, and quickly deploy it using Meteor's public servers or your own custom server. With updated screenshots and code, this second edition will show you exactly why Meteor is the choice for rapid, elegant application development.

### Enterprise Innovation - Michele Missikoff 2015-08-05

The World is changing and then also how enterprises carry out innovation needs to change. The book presents new methods and tools (from Creativity to Engineering), aimed at promoting and sustaining enterprise innovation and production improvement. The book is primarily (but not exclusively) based on the new approaches, methods, frameworks, and tools conceived for enterprise innovation and production improvement, developed during the European Project BIVEE (Business Innovation for Virtual Enterprise Ecosystems.) Addressed topics range from Open Innovation in Virtual Enterprises to shared virtual spaces for collaborative creativity, to Innovation metrics and monitoring in the context of networked SMEs.

### Building Single-page Web Apps with Meteor -

Fabian Vogelsteller 2015-01-27

If you are a web developer with basic knowledge of JavaScript and want to take on Web 2.0, build real-time applications, or simply want to write a complete application using only JavaScript and HTML/CSS, this is the book for you. This book is based on Meteor 1.0.

### **Meteor Design Patterns** - Marcelo Reyna 2015-10-21

Accelerate your code writing skills with over twenty programming patterns that will make your code easier to maintain and scale About This Book • Optimize your web application for production use • Build views and controllers with minimal effort that will evolve with your application • Learn how to maintain a MeteorJS project while it is running in production Who This Book Is For This book is for developers who have already had an introductory course with Meteor. Basic knowledge of web development is recommended. What You Will Learn • Use of Jade, Stylus, and CoffeeScript to speed up web development • Increase productivity by leveraging the best packages in the community • Optimize your site for load speed with advanced publishers and subscribers • Leverage the aggregation framework to produce results with big data • Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more • Optimize your site for search engine visibility • Secure your site with Meteor's best practices • Track the live status of your application, ensuring all errors have been taken care of In Detail With the increasing interest in NodeJS web applications, a new framework, Meteor, has joined the ranks to simplify developer workflows. Meteor is one of the few open source frameworks that has received funding since its early development stages. It builds on ideas from existing frameworks and libraries, offering developers an easy way to develop a prototype app. At the same time, it gives them the tools and flexibility to build a fully fledged production app. Meteor is the weapon of choice for start-ups in today's world. Meteor Design Patterns cuts through the jargon that most websites play with and gets to the point with simple solutions that will boost your development skills. We start off with a refresher on the basics of JavaScript programming such as templates, CoffeeScript,

the Event Loop, and the Merge Box, amongst others. You then learn how to map real-world data and optimize the data's publishers to output data with the least amount of work done by the server with some subscribe and publish patterns. Next, using front-end patterns, you will learn how to create maintainable and trackable forms, and make our site crawlable by any search engine. Following this, you will see how to optimize and secure the web application and maintain applications without breaking other features. Finally, you will learn how to deploy a secure production-ready application while learning to set up modulus, compose with Oprog tracking and SSL certificates, as well as error tracking with Kadira. Throughout the book, you will put your skills to practice and build an online shop from scratch. By the end of the book, you will have built a feature-rich online shop.

**Style and approach**The book is a practical handbook on how to build an e-commerce web app using Meteor. Every topic ties into the webapp to easily illustrate the concepts that you are learning about.

[Getting Started with Meteor. Js JavaScript Framework - Second Edition](#) - Isaac Strack  
2015-06-30

This book is for developers or students who have a working knowledge of JavaScript and HTML, and want to learn how to quickly develop full-stack web applications using pure JavaScript.

**Professional JavaScript for Web Developers** - Matt Frisbie 2019-10-02

Update your skill set for ES 6 and 7 with the ultimate JavaScript guide for pros Professional JavaScript for Web Developers is the essential guide to next-level JavaScript development. Written for intermediate-to-advanced programmers, this book jumps right into the technical details to help you clean up your code and become a more sophisticated JavaScript developer. From JavaScript-specific object-oriented programming and inheritance, to combining JavaScript with HTML and other markup languages, expert instruction walks you through the fundamentals and beyond. This new fourth edition has been updated to cover ECMAScript 6 and 7 (also known as ES2015 and ES2016) and the major re-imagination and departure from ES 5.1; new frameworks and libraries, new techniques, new testing tools, and

more are explained in detail for the professional developer, with a practical focus that helps you put your new skills to work on real-world projects. The latest—and most dramatic—ES release is already being incorporated into JavaScript engines in major browsers; this, coupled with the rise in mobile web traffic increasing demand for responsive, dynamic web design, means that all web developers need to update their skills—and this book is your ideal resource for quick, relevant guidance. Get up to date with ECMAScript 6 and 7, new frameworks, and new libraries Delve into web animation, emerging APIs, and build systems Test more effectively with mocks, unit tests, functional tests, and other tools Plan your builds for future ES releases Even if you think you know JavaScript, new ES releases bring big changes that will affect the way you work. For a professional-level update that doesn't waste time on coding fundamentals, Professional JavaScript for Web Developers is the ultimate resource to bring you up to speed.

*The Scalyr Guide to Getting Started Logging as Quickly as Possible* Scalyr 2019-04-07

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

**Getting the Most out of Node.js Frameworks** - Sufyan bin Uzayr 2022-03-21

ABOUT THE BOOK Gain the knowledge you need to navigate your way confidently through the ever-expanding landscape of modern JavaScript technologies. With more than 100 Node.js frameworks available and the number rising every month, it is becoming increasingly difficult to avoid JavaScript fatigue and keep abreast of the developments that are most useful and relevant to your own projects. In such a saturated environment, the knowledge of exactly which tools will best fit your goals is invaluable.

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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.

*Hands-on Machine Learning with JavaScript*  
Burak Kanber 2018-05-29

A definitive guide to creating an intelligent web application with the best of machine learning and JavaScript **Key Features** Solve complex computational problems in browser with JavaScript Teach your browser how to learn from rules using the power of machine learning Understand discoveries on web interface and API in machine learning **Book Description** In over 20 years of existence, JavaScript has been pushing beyond the boundaries of web evolution with proven existence on servers, embedded devices, Smart TVs, IoT, Smart Cars, and more. Today, with the added advantage of machine learning research and support for JS libraries, JavaScript makes your browsers smarter than ever with the ability to learn patterns and

reproduce them to become a part of innovative products and applications. Hands-on Machine Learning with JavaScript presents various avenues of machine learning in a practical and objective way, and helps implement them using the JavaScript language. Predicting behaviors, analyzing feelings, grouping data, and building neural models are some of the skills you will build from this book. You will learn how to train your machine learning models and work with different kinds of data. During this journey, you will come across use cases such as face detection, spam filtering, recommendation systems, character recognition, and more. Moreover, you will learn how to work with deep neural networks and guide your applications to gain insights from data. By the end of this book, you'll have gained hands-on knowledge on evaluating and implementing the right model, along with choosing from different JS libraries, such as NaturalNode, brain, harthur, classifier, and many more to design smarter applications.

**What you will learn** Get an overview of state-of-the-art machine learning Understand the pre-processing of data handling, cleaning, and preparation Learn Mining and Pattern Extraction with JavaScript Build your own model for classification, clustering, and prediction Identify the most appropriate model for each type of problem Apply machine learning techniques to real-world applications Learn how JavaScript can be a powerful language for machine learning **Who this book is for** This book is for you if you are a JavaScript developer who wants to implement machine learning to make applications smarter, gain insightful information from the data, and enter the field of machine learning without switching to another language. Working knowledge of JavaScript language is expected to get the most out of the book.