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**Understanding ECMAScript 6** Packt Publishing Ltd  
 Learn how to build dynamic web applications with Express, a key component of the Node/JavaScript development stack. In this hands-on guide, author Ethan Brown teaches you the fundamentals through the development of a fictional application that exposes a public website and a RESTful API. You'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. With this book, frontend and backend engineers familiar with JavaScript will discover new ways of looking at web development. Create webpage templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing and development Focus on persistence with document databases, particularly MongoDB Make your resources available to other programs with

RESTful APIs Build secure apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and other third-party services Implement a plan for launching and maintaining your app Learn critical debugging skills This book covers Express 4.0.

**Web Development with Node and Express** Packt Publishing Ltd

Start your journey towards becoming a JavaScript developer with the help of more than 100 fun exercises and projects. Purchase of the print or Kindle book includes a free eBook in the PDF format. Key Features Write eloquent JavaScript and employ fundamental and advanced features to create your own web apps Interact with the browser with HTML and JavaScript, and add dynamic images, shapes, and text with HTML5 Canvas Build a password checker, paint web app, hangman game, and many more fun projects Book Description This book demonstrates the capabilities of JavaScript for web application development by combining theoretical learning with code exercises and fun projects that you can challenge yourself with. The guiding principle of the book is to show how straightforward JavaScript techniques can be used to make web apps ranging from dynamic websites to simple

browser-based games. JavaScript from Beginner to Professional focuses on key programming concepts and Document Object Model manipulations that are used to solve common problems in professional web applications. These include data validation, manipulating the appearance of web pages, working with asynchronous and concurrent code. The book uses project-based learning to provide context for the theoretical components in a series of code examples that can be used as modules of an application, such as input validators, games, and simple animations. This will be supplemented with a brief crash course on HTML and CSS to illustrate how JavaScript components fit into a complete web application. As you learn the concepts, you can try them in your own editor or browser console to get a solid understanding of how they work and what they do. By the end of this JavaScript book, you will feel confident writing core JavaScript code and be equipped to progress to more advanced libraries, frameworks, and environments such as React, Angular, and Node.js. What you will learn Use logic statements to make decisions within your code Save time with JavaScript loops by avoiding writing the same code repeatedly Use JavaScript functions and methods to selectively execute code Connect to HTML5 elements and bring your own web pages to life with interactive content Make your search patterns more effective with regular expressions Explore concurrency and asynchronous programming to process events efficiently and improve performance Get a head start on your next steps with primers on key libraries, frameworks, and APIs Who this book is for This book is for people who are new to JavaScript (JS) or those looking to build up their skills in web development. Basic familiarity with HTML & CSS would be beneficial. Whether you are a junior or intermediate developer who needs an easy-to-understand practical guide for JS concepts, a developer who wants to transition into working with JS, or a student studying programming concepts using JS, this book will prove helpful. [Fullstack Vue](#) No Starch Press

Summary Angular Development with TypeScript, Second Edition is an intermediate-level tutorial that introduces Angular and TypeScript to developers comfortable with building web applications using other frameworks and tools. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Whether you're building lightweight web clients or full-featured SPAs, Angular is a clear choice. The Angular framework is fast, efficient, and widely adopted. Add the benefits of developing in the statically typed, fully integrated TypeScript language, and you get a programming experience other JavaScript frameworks just can't match. About the Book Angular Development with TypeScript, Second Edition teaches you how to build web applications with Angular and TypeScript. Written in an accessible, lively style, this illuminating guide covers core concerns like state management, data, forms, and server communication as you build a full-featured online auction app. You'll get the skills you need to write type-aware classes, interfaces, and generics with TypeScript, and discover time-saving best practices to use in your own work. What's inside Code samples for Angular 5, 6, and 7 Dependency injection Reactive programming The Angular Forms API About the Reader Written for intermediate web developers familiar with HTML, CSS, and JavaScript. About the Author Yakov Fain and Anton Moiseev are experienced trainers and web application developers. They have coauthored several books on software development. Table of Contents Introducing Angular The main artifacts of an Angular app Router basics Router advanced Dependency injection in Angular Reactive programming in Angular Laying out pages with Flex Layout Implementing component communications Change detection and component lifecycle Introducing the Forms API

Validating forms Interacting with servers using HTTP Interacting with servers using the WebSocket protocol Testing Angular applications Maintaining app state with ngrx *ReactJS by Example - Building Modern Web Applications with React* Packt Publishing Ltd

It seems like there's never been as much widespread desire before to learn JS. But with a million blogs, books, and videos out there, just where do you start?The worldwide best selling "You Don't Know JS" book series is back for a 2nd edition: "You Don't Know JS Yet". All 6 books are brand new, rewritten to cover all sides of JS for 2020 and beyond."Get Started" prepares you for the journey ahead, first surveying the language then detailing how the rest of the You Don't Know JS Yet book series guides you to knowing JS more deeply.

*Mastering TypeScript* "O'Reilly Media, Inc."

To get the most out of modern JavaScript, you need learn the latest features of its parent specification, ECMAScript 6 (ES6). This book provides a highly practical look at ES6, without getting lost in the specification or its implementation details. Armed with practical examples, author Nicolas Bevacqua shows you new ways to deal with asynchronous flow control, declare objects or functions, and create proxies or unique sets, among many other features. The first title in Bevacqua's Modular JavaScript series, *Practical Modern JavaScript* prepares JavaScript and Node.js developers for applied lessons in modular design, testing, and deployment in subsequent books. This book explains: How JavaScript and its standards development process have evolved Essential ES6 changes, including arrow functions, destructuring, let and const Class syntax for declaring object prototypes, and the new Symbol primitive How to handle flow control with Promises, iterators, generators, and async functions ES6 collection built-in types for creating object maps and unique sets How and when to use the new Proxy and Reflect built-ins Changes to Array, Math, numbers, strings, Unicode, and regular expressions, and other improvements since ES5

*Refactoring JavaScript* Packt Publishing Ltd

What's next for JavaScript? Its phenomenal rise from a simple client-side scripting tool to a versatile and flexible programming language exceeded everyone's expectations. Now, hopes and expectations for JavaScript's future are considerable. In this insightful report, Dr. Axel Rauschmayer explains how the combination of several technologies and opportunities in the past 15 years turned JavaScript's fortunes. With that as a backdrop, he provides a detailed look at proposed new features and fixes in the next version, ECMAScript.next, and then presents his own JavaScript wish list—such as an integrated IDE. Understand the key role that XMLHttpRequest, JSON, jQuery, V8, Node.js, and other advances played Examine proposed fixes for ECMAScript.next through code examples Discover how JavaScript is becoming a better target for compilers Explore the technologies that will help JavaScript provide support for concurrency Learn how HTML5 is a compelling platform for JavaScript in web, mobile, and desktop applications Dr. Rauschmayer is a consultant and trainer for JavaScript, web technologies, and information management.

*Eloquent JavaScript, 3rd Edition* Simon and Schuster

Quickly discover solutions to common problems, best practices you can follow, and everything JavaScript has to offer. Using a problem-solution approach, this book takes you from language basics like built-in objects and flow control all the way to advanced optimization techniques, frameworks and Node.js. With JavaScript Recipes you will learn language fundamentals like types, conversions, execution contexts, expressions, operators, statements, and built-in objects. You'll explore and make the most of your script's host environment and how to create your

own JavaScript host using Google's V8 engine. Employ advanced optimization techniques to create scripts that execute as fast, or faster, than native executables. JavaScript Recipes shows you how to avoid wasting development time and concentrate on developing cutting-edge applications. You'll see how much quicker and efficient it is to develop with JavaScript. Start becoming a JavaScript pro with JavaScript Recipes today. What You'll Learn Learn JavaScript language fundamentals and what they can do for you Use JavaScript's powerful features to develop next-generation applications Explore your script's host environment and extend it with your own objects Learn how to use Google's V8 Engine to create your own JavaScript environment Learn advanced optimization techniques Implement advanced techniques like closures, namespaces, and reflection How to use Node.js efficiently Who This Book Is For JavaScript developers who need to get development tasks accomplished quickly.

**JavaScript Recipes** Packt Publishing Ltd

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.

**You Don't Know JS Yet** Apress

Ready to Master Vue.js? What if you could master the entire framework - with solid foundations - in less time without beating your head against a wall? Imagine how quickly you could work if you knew the best practices and the best tools? Stop wasting your time searching and have everything you need to be

productive in one, well-organized place, with complete examples to get your project up without needing to resort to endless hours of research. Lots of Sample Apps and Code You will learn what you need to know to work professionally with Fullstack Vue: The Complete Guide to Vue.js You'll build: A Server-Persisted Shopping Cart Use the Flux-like library Vuex to manage data for a large shopping cart application that persists information on to a local server. A Calendar Event App Dive deeper into component based architecture by learning how simple state management works with Vue Single-file components. A Voting Application Learn how to render dynamic components and use standard Vue directives to build an interactive voting application. Forms with Validations Build powerful forms that accept user input, and give clear messaging when the input is of an invalid format. Vuex-based Routes and Authentication Build on top of the server persisted shopping cart app by creating dynamic routes and a token authentication flow with the official vue-router library. Build bullet-proof apps with Testing Use Vue's official test utility library, vue-test-utils, to create meaningful tests for a daily weather app that interacts with a third party API. What our Customers Say "Another must read from the team! Going through the book's real-world apps is like growing your dev superpowers one concept at a time." -- Luis Fernando Saavedra Meza "Providing code variations for every step along the way has been really helpful, by showing how the end result should look and making it easier for me to reproduce it!" -- Marina Landisberg "Hands up to Hassan for this masterpiece. In ready to follow steps and concise manner, you'll guided to master the framework of the future piece by piece. This book will make you love the frontend again and overcome the Javascript fatigue. Great job!" -- Christoph Jasinski

**React and React Native** Apress

Summary RxJS in Action gives you the development skills you need to create reactive applications with RxJS. This book is full of theory and practical examples that build on each other and help you begin thinking in a reactive manner. Foreword by Ben Lesh, Project lead, RxJS 5. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology On the web, events and messages flow constantly between UI and server components. With RxJS, you can filter, merge, and transform these streams directly, opening the world of data flow programming to browser-based apps. This JavaScript implementation of the ReactiveX spec is perfect for on-the-fly tasks like autocomplete. Its asynchronous communication model makes concurrency much, much easier. About the Book RxJS in Action is your guide to building a reactive web UI using RxJS. You'll begin with an intro to stream-based programming as you explore the power of RxJS through practical examples. With the core concepts in hand, you'll tackle production techniques like error handling, unit testing, and interacting with frameworks like React and Redux. And because RxJS builds on ideas from the world of functional programming, you'll even pick up some key FP concepts along the way. What's Inside Building clean, declarative, fault-tolerant applications Transforming and composing streams Taming asynchronous processes Integrating streams with third-party libraries Covers RxJS 5 About the Reader This book is suitable for readers comfortable with JavaScript and standard web application architectures. About the Author Paul P. Daniels is a professional software engineer with experience in .NET, Java, and JavaScript. Luis Atencio is a software engineer working daily with Java, PHP, and JavaScript platforms, and author of Manning's Functional Programming in JavaScript. Table of Contents PART 1 - UNDERSTANDING STREAMS Thinking reactively Reacting with RxJS Core operators It's about time you used RxJS PART 2 -

OBSERVABLES IN PRACTICE Applied reactive streams  
 Coordinating business processes Error handling with RxJS PART 3  
 MASTERING RXJS Heating up observables Toward testable,  
 reactive programs RxJS in the wild

*Practical Modern JavaScript* O'Reilly Media

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

*Get Programming with JavaScript* Packt Publishing Ltd

Get up and running with ReactJS by developing five cutting-edge and responsive projects About This Book Create pragmatic real-world applications while learning React and its modern developer tools Build sustainable user interfaces by transforming data into components of UI Learn how to generate reusable ReactJS components effectively Who This Book Is For If you are a web developer and wish to learn ReactJS from scratch, then this book is tailor-made for you. Good understanding of Javascript, HTML, and CSS is expected. What You Will Learn Create, reuse, and compose React components using JSX Share data between various React components and techniques for data flow within a React app Handle user interactions with the help of event handlers and dynamic components Set up and use various next generation ES2015/ES6 features with React Understand the performance and immutability features of React using React addons Learn the techniques of Animation in React Use data stores to store model-related data and information Create a flux-based React application by using Reflux library In Detail ReactJS is an open-source JavaScript library that brings the power of reactive programming to web applications and sites. It aims to address the challenges encountered in developing single-page applications, and is intended to help developers build large, easily scalable and changing web apps. Starting with a project on Open Library API, you will be introduced to React and JSX before moving on to learning about the life cycle of a React component. In the second project, building a multi-step wizard form, you will learn about composite dynamic components and perform DOM actions. You will also learn about building a fast search engine by exploring server-side rendering in the third project on a search engine application. Next, you will build a simple frontpage for an e-commerce app in the fourth project by using data models and React add-ons. In the final project you will develop a complete social media tracker by using the flux way of defining React apps and know about the best practices and use cases with the help of ES6 and redux. By the end of this book, you will not only have a good understanding of ReactJS but will also have built your very own responsive frontend applications from scratch. Style and approach An easy-to-follow program to learn ReactJS with the help of real world projects. Each topic is explained within the context of a project and provides plenty of tips and tricks for using ReactJS.

*Rediscovering JavaScript* Packt Publishing Ltd

Summary Get Programming with JavaScript is a hands-on introduction to programming for readers who have never programmed. You'll be writing your own web apps, games, and programs in no time! Foreword by Remy Sharp. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Are you ready to start writing your own web apps, games, and programs? You're in the right place! Get Programming with JavaScript is a hands-on introduction to programming for readers who have never written

a line of code. Since you're just getting started, this friendly book offers you lots of examples backed by careful explanations. As you go along, you'll find exercises to check your understanding and plenty of opportunities to practice your new skills. You don't need anything special to follow the examples—just the text editor and web browser already installed on your computer. We even give you links to working online code so you can see how everything should look live on your screen. What's Inside All the basics—objects, functions, responding to users, and more Think like a coder and design your own programs Create a text-based adventure game Enhance web pages with JavaScript Run your programs in a web browser Four bonus chapters available online About the Reader No experience required! All you need is a web browser and an internet connection. About the Author John Larsen is a mathematics and computing teacher with an interest in educational research. He has an MA in mathematics and an MSc in information technology. He started programming in 1982, writing simple programs for teaching mathematics in 1993, building websites in 2001, and developing data-driven web-based applications for education in 2006. Table of Contents PART 1 CORE CONCEPTS ON THE CONSOLE Programming, JavaScript, and JS Bin Variables: storing data in your program Objects: grouping your data Functions: code on demand Arguments: passing data to functions Return values: getting data from functions Object arguments: functions working with objects Arrays: putting data into lists Constructors: building objects with functions Bracket notation: flexible property names PART 2 ORGANIZING YOUR PROGRAMS Scope: hiding information Conditions: choosing code to run Modules: breaking a program into pieces Models: working with data Views: displaying data Controllers: linking models and views PART 3 JAVASCRIPT IN THE BROWSER HTML: building web pages Controls: getting user input Templates: filling placeholders with data XHR: loading data Conclusion: get programming with JavaScript BONUS ONLINE CHAPTERS Node: running JavaScript outside the browser Express: building an API Polling: repeating requests with XHR Socket.IO: real-time messaging

**Mastering JavaScript** Justin Kelly

Simply ES6 is a great book for people who love JavaScript and everything to do with it. This book contains lessons on ES6 for both novice and advanced JavaScript practitioners, Web-developers, React-Native users, and everyone else who uses JavaScript. No matter where you stand, if you read this book you will learn something that will help you improve your JavaScript skills. This is a great book for you if you are a few months into your web-development training. This book will save you years and years of frustrated lessons. The lessons are well structured, each section begins with a brief introduction, followed by tons of examples to follow and play with; and each chapter ends with a practice project explained in extensive detail, followed by a summary of that chapter to really condense the skills learned. If you love JavaScript then this book is for you! If you want to master JavaScript then this book is for you! The 2nd Edition includes significant updates, 2 new chapters were added for Building CLI programs with ES6, and Introduction to Machine Learning, AI, Data Science, Robotics, TensorFlow, Hardware Programming with JavaScript.

**Beginning Node.js** Simon and Schuster

No matter how much experience you have with JavaScript, odds are you don't fully understand the language. As part of the "You Don't Know JS" series, this compact guide focuses on new features available in ECMAScript 6 (ES6), the latest version of the standard upon which JavaScript is built. Like other books in this series, You Don't Know JS: ES6 & Beyond dives into trickier parts of the language that many JavaScript programmers either avoid or know nothing about. Armed with this knowledge, you can

achieve true JavaScript mastery. With this book, you will: Learn new ES6 syntax that eases the pain points of common programming idioms Organize code with iterators, generators, modules, and classes Express async flow control with Promises combined with generators Use collections to work more efficiently with data in structured ways Leverage new API helpers, including Array, Object, Math, Number, and String Extend your program's capabilities through meta programming Preview features likely coming to JS beyond ES6

**React Native for Mobile Development** "O'Reilly Media, Inc." 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 skillBook 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.

**Simply ES6** "O'Reilly Media, Inc."

Get a practical introduction to React Native, the JavaScript framework for writing and deploying fully featured mobile apps that render natively. The second edition of this hands-on guide shows you how to build applications that target iOS, Android, and other mobile platforms instead of browsers—apps that can access platform features such as the camera, user location, and local storage. Through code examples and step-by-step instructions, web developers and frontend engineers familiar with React will learn how to build and style interfaces, use mobile components, and debug and deploy apps. You'll learn how to extend React Native using third-party libraries or your own Java and Objective-C libraries. Understand how React Native works under the hood with native UI components Examine how React Native's mobile-based components compare to basic HTML elements Create and

style your own React Native components and applications Take advantage of platform-specific APIs, as well as modules from the framework's community Incorporate platform-specific components into cross-platform apps Learn common pitfalls of React Native development, and tools for dealing with them Combine a large application's many screens into a cohesive UX Handle state management in a large app with the Redux library *JavaScript from Beginner to Professional* "O'Reilly Media, Inc." Completely revised and updated, this best-selling introduction to programming in JavaScript focuses on writing real applications. JavaScript lies at the heart of almost every modern web application, from social apps like Twitter to browser-based game frameworks like Phaser and Babylon. Though simple for beginners to pick up and play with, JavaScript is a flexible, complex language that you can use to build full-scale applications. This much anticipated and thoroughly revised third edition of Eloquent JavaScript dives deep into the JavaScript language to show you how to write beautiful, effective code. It has been updated to reflect the current state of JavaScript and web browsers and includes brand-new material on features like class notation, arrow functions, iterators, async functions, template strings, and block scope. A host of new exercises have also been added to test your skills and keep you on track. As with previous editions, Haverbeke continues to teach through extensive examples and immerses you in code from the start, while exercises and full-chapter projects give you hands-on experience with writing your own programs. You start by learning the basic structure of the JavaScript language as well as control structures, functions, and data structures to help you write basic programs. Then you'll learn about error handling and bug fixing, modularity, and asynchronous programming before moving on to web browsers and how JavaScript is used to program them. As you build projects such as an artificial life simulation, a simple programming language, and a paint program, you'll learn how to: - Understand the essential elements of programming, including syntax, control, and data - Organize and clarify your code with object-oriented and functional programming techniques - Script the browser and make basic web applications - Use the DOM effectively to interact with browsers - Harness Node.js to build servers and utilities Isn't it time you became fluent in the language of the Web? \* All source code is available online in an interactive sandbox, where you can edit the code, run it, and see its output instantly.

*The Past, Present, and Future of JavaScript* Createspace Independent Publishing Platform

Write reliable code to create powerful applications by mastering advanced JavaScript design patterns About This Book Learn how to use tried and true software design methodologies to enhance your JavaScript code Discover robust JavaScript implementations of classic and advanced design patterns Packed with easy-to-follow examples that can be used to create reusable code and extensible designs Who This Book Is For This book is ideal for JavaScript developers who want to gain expertise in object-oriented programming with JavaScript and the new capabilities of ES-2015 to improve their web development skills and build professional-quality web applications. What You Will Learn Harness the power of patterns for tasks ranging from application building to code testing Rethink and revitalize your code with the use of functional patterns Improve the way you organize your code Build large-scale apps seamlessly with the help of reactive patterns Identify the best use cases for microservices Get to grips with creational, behavioral, and structural design patterns Explore advanced design patterns including dependency injection In Detail With the recent release of ES-2015, there are several new object-oriented features and functions introduced in

JavaScript. These new features enhance the capabilities of JavaScript to utilize design patterns and software design methodologies to write powerful code. Through this book, you will explore how design patterns can help you improve and organize your JavaScript code. You'll get to grips with creational, structural and behavioral patterns as you discover how to put them to work in different scenarios. Then, you'll get a deeper look at patterns used in functional programming, as well as model view patterns and patterns to build web applications. This updated edition will also delve into reactive design patterns and microservices as they are a growing phenomenon in the world of web development. You will also find patterns to improve the testability of your code using mock objects, mocking frameworks, and monkey patching. We'll also show you some advanced patterns including dependency injection and live post processing. By the end of the book, you'll be saved of a lot of trial and error and developmental headaches, and you will be on the road to becoming a JavaScript expert. Style and approach Packed with several real-world use cases, this book shows you through step-by-step instructions how to implement the advanced object-oriented programming features to build sophisticated web applications that promote scalability and reusability.

[Learning React Native](#) Packt Publishing Ltd

Develop native iOS and Android apps with ease using React Native. Learn by doing through an example-driven approach, and have a substantial running app at the end of each chapter. This

second edition is fully updated to include ES7 (ECMAScript 7), the latest version of React Native (including Redux), and development on Android. You will start by setting up React Native and exploring the anatomy of React Native apps. You'll then move on to Redux data flow, how it differs from flux, and how you can include it in your React Native project to solve state management differently and efficiently. You will also learn how to boost your development by including popular packages developed by the React Native community that will help you write less; do more. Finally, you'll learn to how write test cases using Jest and submit your application to the App Store. React Native challenges the status quo of native iOS and Android development with revolutionary components, asynchronous execution, unique methods for touch handling, and much more. This book reveals the the path-breaking concepts of React.js and acquaints you with the React way of thinking so you can learn to create stunning user interfaces. What You'll Learn Build stunning iOS and Android applications Understand the Redux design pattern and use it in your project Interact with iOS and android device capabilities such as addressbook, camera, GPS and more with your apps Test and launch your application to the App StoreWho This Book Is For Anyone with JavaScript experience who wants to build native mobile applications but dreads the thought of programming in Objective-C or Java. Developers who have experience with JavaScript but are new or not acquainted to React Native or ReactJS.

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