
Learning React Functional Web Development With React And Redux

Learning React

Functional React

Web Development with Node and Express

Your journey to master plain yet pragmatic

React.js

Leverage your Python knowledge to quickly learn

JavaScript and advance your web development

career

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The Complete Guide to ReactJS and Friends

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Making Your JavaScript Applications Scale
Write clean, robust, and maintainable web and server code using functional JavaScript, 2nd Edition
Learning Web Development with React and Bootstrap
The Road to React
Flask Web Development

*Learning
React
Functional
Web
Development
With React
And Redux* *Downloaded
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RACHAEL MATHEWS

Learning React Robin Wieruch
Any programmer working with a dynamically typed language will tell you how hard it is to scale to more lines of code and more engineers. That's why Facebook, Google, and Microsoft invented gradual static type layers for their dynamically typed JavaScript and Python code. This practical book shows you how one such type layer, TypeScript, is unique among them: it makes programming fun with its powerful static type system. If you're a programmer with

intermediate JavaScript experience, author Boris Cherny will teach you how to master the TypeScript language. You'll understand how TypeScript can help you eliminate bugs in your code and enable you to scale your code across more engineers than you could before. In this book, you'll:
Start with the basics: Learn about TypeScript's different types and type operators, including what they're for and how they're used
Explore advanced topics: Understand TypeScript's sophisticated type system, including how to safely handle errors and build asynchronous programs
Dive in hands-on: Use TypeScript with your favorite frontend and

backend frameworks, migrate your existing JavaScript project to TypeScript, and run your TypeScript application in production

Functional React John Wiley & Sons

For web developers and other programmers interested in using JavaScript, this bestselling book provides the most comprehensive JavaScript material on the market. The seventh edition represents a significant update, with new information for ECMAScript 2020, and new chapters on language-specific features. JavaScript: The Definitive Guide is ideal for experienced programmers who want to learn the programming language

of the web, and for current JavaScript programmers who want to master it.

Web Development with Node and Express

Addison-Wesley Professional

This is an exciting time to learn JavaScript.

Now that the latest JavaScript specification ECMAScript 6.0 (ES6)

has been finalized, learning how to

develop high-quality applications with this language is easier and more satisfying than

ever. This practical book takes

programmers (amateurs and pros

alike) on a no-nonsense tour of ES6,

along with some related tools and

techniques. Author Ethan Brown ("Web

Development with Node and Express") not

only guides you

through simple and straightforward topics (variables, control flow, arrays), but also covers complex concepts such as functional and asynchronous programming. You'll learn how to create powerful and responsive web applications on the client, or with Node.js on the server. Use ES6 today and transpile code to portable ES5. Translate data into a format that JavaScript can use. Understand the basic usage and mechanics of JavaScript functions. Explore objects and object-oriented programming. Tackle new concepts such as iterators, generators, and proxies. Grasp the complexities of asynchronous

programming. Work with the Document Object Model for browser-based apps. Learn Node.js fundamentals for developing server-side applications. Your journey to master plain yet pragmatic React.js Learning React Functional Web Development with React and Redux. If you want to learn how to build efficient user interfaces with React, this is your book. Authors Alex Banks and Eve Porcello show you how to create UIs with this small JavaScript library that can deftly display data changes on large-scale, data-driven websites without page reloads. Along the way, you'll learn how to work with functional programming and the latest ECMAScript features. Developed by

Facebook, and used by companies including Netflix, Walmart, and The New York Times for large parts of their web interfaces, React is quickly growing in use. By learning how to build React components with this hands-on guide, you'll fully understand how useful React can be in your organization. Learn key functional programming concepts with JavaScriptPeek under the hood to understand how React runs in the browser; Create application presentation layers by mounting and composing React components; Use component trees to manage data and reduce the time you spend debugging applications; Explore React's component lifecycle and use it to

load data and improve UI performance; Use a routing solution for browser history, bookmarks, and other features of single-page applications; Learn how to structure React applications with servers in mind. Learning ReactFunctional Web Development with React and Redux Explore the functional programming paradigm and the different techniques for developing better algorithms, writing more concise code, and performing seamless testing Key Features Explore this second edition updated to cover features like async functions and transducers, as well as functional reactive programming Enhance your functional programming (FP) skills

to build web and server apps using JavaScript Use FP to enhance the modularity, reusability, and performance of apps Book Description Functional programming is a paradigm for developing software with better performance. It helps you write concise and testable code. To help you take your programming skills to the next level, this comprehensive book will assist you in harnessing the capabilities of functional programming with JavaScript and writing highly maintainable and testable web and server apps using functional JavaScript. This second edition is updated and improved to cover features such as transducers, lenses,

prisms and various other concepts to help you write efficient programs. By focusing on functional programming, you'll not only start to write but also to test pure functions, and reduce side effects. The book also specifically allows you to discover techniques for simplifying code and applying recursion for loopless coding. Gradually, you'll understand how to achieve immutability, implement design patterns, and work with data types for your application, before going on to learn functional reactive programming to handle complex events in your app. Finally, the book will take you through the design patterns that are relevant to

functional programming. By the end of this book, you'll have developed your JavaScript skills and have gained knowledge of the essential functional programming techniques to program effectively. What you will learn Simplify JavaScript coding using function composition, pipelining, chaining, and transducing Use declarative coding as opposed to imperative coding to write clean JavaScript code Create more reliable code with closures and immutable data Apply practical solutions to complex programming problems using recursion Improve your functional code using data types, type checking, and immutability Understand advanced

functional programming concepts such as lenses and prisms for data access Who this book is for This book is for JavaScript developers who want to enhance their programming skills and build efficient web applications. Frontend and backend developers who use various JavaScript frameworks and libraries like React, Angular, or Node.js will also find the book helpful. Working knowledge of ES2019 is required to grasp the concepts covered in the book easily. *Leverage your Python knowledge to quickly learn JavaScript and advance your web development career* O'Reilly Media 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.

Speaking JavaScript
No Starch Press

If you want to learn how to build modern React applications using functional components and functional programming principles, this is the book for you. React allows expressing the UI using functions. React Hooks enables stateful functional components. Here are some of the things you will learn: The core functional programming concepts with JavaScript How to create components using only functions Presentations and container components patterns How to use the state and effect core hooks How to create and reuse a custom hook Discover both Redux and MobX as state management solutions How to handle side-effects

with both Redux Thunk and Redux Observable Using the React Router to enable routing in single-page applications How to structure React applications Programming in a functional style means to use concepts such as pure functions, immutability, closures, higher-order functions, or currying.

Functional Programming in

JavaScript Packt Publishing Ltd

ClojureScript is a pragmatic functional programming language for building web applications. Whether you are an experienced JavaScript developer or a brand-new programmer, this book is your guide to creating impressive web apps in the simple and elegant

ClojureScript language. The tutorial-style lessons are easy to follow at your own pace, and the practical capstone projects will reinforce what you have learned. By the end of the book, you will have created: - A weather forecast widget - A personal contact manager - A text-based adventure game - A group chat app - And more!

React Explained

Apress

If you want to learn how to build efficient user interfaces with React, this is your book. Authors Alex Banks and Eve Porcello show you how to create UIs with this small JavaScript library that can deftly display data changes on large-scale, data-driven websites without page reloads. Along the way,

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[Painless web apps with React, JSX, Redux, and GraphQL](#) O'Reilly Media Learning

ReactFunctional Web Development with React and Redux
The Complete Guide to ReactJS and Friends
"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

An Exploration of Functional Programming and Object Composition in JavaScript "O'Reilly

Media, Inc."
LAST UPDATE: 09. June 2021 If you are looking for a comprehensive and pragmatic yet concise and up-to-date React.js feat. Hooks book, the Road to React is for you. What you will learn. In "The Road to React" you will learn about all the fundamentals of React.js with Hooks while building a full-blown React application step by step. While you create the React application, every chapter will introduce you to a new React key feature. However, there is more than only the fundamentals: The book dives into related topics (e.g. React with TypeScript, Testing, Performance Optimizations) and advanced feature implementations like

client- and server-side searching. At the end of the book, you will have a fully working deployed React application. Is it up to date? Programming books are usually outdated soon after their release, but since this book is self-published, I can update it as needed whenever a new version of something related to this book gets released. I am a beginner. Is this book for me? Yes. The book starts from zero and takes you through the learning experience step by step. Every chapter builds up on the learnings from the previous chapter. In addition, at the end of every chapter, exercises fortify your lessons learned. If you got stuck in a chapter, you will always find a

reference URL to the status quo of the actual code. Core Concepts Pragmatic: Master React while building a complete application step by step. Problems Solving: You need to experience a problem first before solving it. The Why: Readers like how the book answers the Why, not only the How. Table of Contents Fundamentals of React Hello React Requirements Setting up a React Project Meet the React Component React JSX Lists in React Meet another React Component React Component Instantiation ReactDOM React Component Definition (Advanced) Handler Function in JSX React Props React State Callback Handlers in

JSX Lifting State in
React React Controlled
Components Props
Handling (Advanced)
React Side-Effects
React Custom Hooks
(Advanced) React
Fragments Reusable
React Component
React Component
Composition
Imperative React Inline
Handler in JSX React
Asynchronous Data
React Conditional
Rendering React
Advanced State React
Impossible States Data
Fetching with React
Data Re-Fetching in
React Memoized
Handler in React
(Advanced) Explicit
Data Fetching with
React Third-Party
Libraries in React
Async/Await in React
(Advanced) Forms in
React React's Legacy
React Class
Components React
Class Components:

State Imperative React
Styling in React CSS in
React CSS Modules in
React Styled
Components in React
SVGs in React React
Maintenance
Performance in React
(Advanced) TypeScript
in React Unit Testing to
Integration Testing
React Project Structure
Real World React
(Advanced) Sorting
Reverse Sort
Remember Last
Searches Paginated
Fetch Deploying a
React Application Build
Process Deploy to
Firebase
Programming
TypeScript Apress
If you want to learn
how to build efficient
user interfaces with
React, this is your
book. Authors Alex
Banks and Eve Porcello
show you how to
create UIs with this
small JavaScript library

that can deftly display data changes on large-scale, data-driven websites without page reloads. Along the way, you'll learn how to work with functional programming and the latest ECMAScript features. Developed by Facebook, and used by companies including Netflix, Walmart, and The New York Times for large parts of their web interfaces, React is quickly growing in use. By learning how to build React components with this hands-on guide, you'll fully understand how useful React can be in your organization. Learn key functional programming concepts with JavaScript Peek under the hood to understand how React runs in the browser. Create application presentation layers by

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This Book Become proficient and skilled with Functional Programming in JavaScript to solve real-world development problems Successfully apply Functional Programming concepts and techniques to everyday JavaScript programming Bring modularity, reusability, testability, and performance to your web apps Who This Book Is For If you are a JavaScript developer and want to apply functional programming techniques, then this book is for you. Only a basic knowledge of the concepts of functional programming is required for this book. What You Will Learn Create more reliable code with closures and immutable data Convert existing

methods into pure functions, and loops into recursive methods Develop more powerful applications with currying and function composition Separate the logic of your system from implementation details Implement composition and chaining techniques to simplify coding Use functional programming techniques where it makes the most sense In Detail Functional programming is a programming paradigm for developing software using functions. Learning to use functional programming is a good way to write more concise code, with greater concurrency and performance. The JavaScript language is particularly suited to

functional programming. This book provides comprehensive coverage of the major topics in functional programming with JavaScript to produce shorter, clearer, and testable programs. You'll delve into functional programming; including writing and testing pure functions, reducing side-effects, and other features to make your applications functional in nature. Specifically, we'll explore techniques to simplify coding, apply recursion for loopless coding, learn ways to achieve immutability, implement design patterns, and work with data types. By the end of this book, you'll have developed the JavaScript skills you need to program

functional applications with confidence. Style and approach This book takes an easy-to-follow, step-by-step tutorial approach. You will make the most of JavaScript programming with a focus on the progression of functional programming techniques, styles, and detailed information about JavaScript libraries.

React in Action

O'Reilly Media
My fourth web development book is simply called React.js Book. It will walk you step by step through the process of setting up a development environment and learning Reactive programming from start to finish. React is a library unlike any other I have worked

with. Unlike jQuery where you had to learn a number of methods that do very specific things, it's largely inspired by a programming methodology for creating fast web applications. In addition you will be expected to know or at least be briefly familiar with prerequisite knowledge of other web development tools such as Node.js, NPM, Babel, JSX and WebPack. These are not required elements of programming with React, but without them things would be tough. As of 2017, Reactive programming is an alternative way of thinking about web applications. It provides software patterns that make your web app extremely responsive

to user input and generally feel faster to the end-user (people who are using your application.) The Virtual DOM alone is enough of a reason to switch to React. Programming with React library, is a lot more than just learning about and using React objects, components, states, props and methods. It requires previous experience with JavaScript and at times assumes knowledge of software principles not inherent to React library itself. This book is not a list of object names, methods and functions with side explanations of what they do. Rather, it deals with the said principles involved in React programming thought up by the creators of React library. Principles

that are usually understood by professional web developers and software engineers. For all these reasons stated above, this book will gradually walk you through the process of becoming familiar with React library, starting from basic concepts. Gradually, we will move toward more advanced subjects. So, prepare to be educated Web Development with ReasonML Packt

Publishing Ltd ReasonML is a new, type-safe, functional language that compiles to efficient, readable JavaScript. ReasonML interoperates with existing JavaScript libraries and works especially well with React, one of the most popular front-end frameworks. Learn how to take advantage of

the power of a functional language while keeping the flexibility of the whole JavaScript ecosystem. Move beyond theory and get things done faster and more reliably with ReasonML today. ReasonML is a new syntax for OCaml, a battle-tested programming language used in industry for over 20 years. Designed to be familiar to JavaScript programmers, ReasonML code compiles to highly readable JavaScript. With ReasonML, you get OCaml's powerful functional programming features: a strong static type system with an excellent type inference engine, pattern matching, and features for functional programming with

immutable variables. ReasonML also allows flexibility with opt-in side effects, mutation, and object-oriented programming. ReasonML hits the sweet spot between the pure theoretical world and the laissez-faire approach of JavaScript. Start using ReasonML's powerful type system as you learn the essentials of the language: variables and arithmetic operations. Gain expressive power as you write functions with named parameters and currying. Define your own data types, and integrate all these capabilities into a simple web page. Take advantage of ReasonML's functional data structures with map and reduce functions. Discover

new ways to write algorithms with ReasonML's recursion support. Interoperate with existing JavaScript libraries with bindings, and write reactive web applications using ReasonML in tandem with React. Reinforce concepts with examples that range from short, tightly focused functions to complete programs, and practice your new skills with exercises in each chapter. With ReasonML, harness the awesome power of a functional language while retaining the best features of JavaScript to produce concise, fast, type-safe programs. What You Need: You'll need to have node.js (version 10.0 or above) and npm (version 5.6 or above). Once you install the bs-platform

package and fire up a text editor, you're ready to go. (There are plugins for many popular editors that will make editing easier.)

Fullstack React Packt Publishing Ltd

Get a thorough and practical introduction to Unity development for Android devices with no previous experience with game development needed. In this book, you'll go through every step from downloading and installing Unity and the Android SDK, to creating fully functional games. The bulk of Learn Unity for Android Game Development is a simple project to create a 2D platform game complete with touchscreen controls, physics, enemies, respawning, collectibles and more.

The book closes with a brief introduction to creating 3D games, virtual reality games for the Gear VR, and other more advanced applications. It also provides some guidance on publishing and marketing, as well as thinking about game design and mechanics. Resources including sprites and scripts are provided in the code download. What You Will Learn Install Unity with the Android SDK Understand and use scripts, prefabs and Android Studio Design a great game Build a game app Add a bit of polish Deploy for various Android devices Build and deploy for 3D games, virtual reality and more Promote your game and make money Who This Book Is For This book requires no

previous experience with programming or game development of any kind. Prior experience with the Android ecosystem recommended.

Quick Start with React Hooks, Redux and MobX "O'Reilly Media, Inc."

This book will show you how you can leverage your Python skills to learn JavaScript by comparing them at the syntactical and semantical level. You'll discover why and when to use JavaScript, connect to a Node.js backend to create meaningful experiences, and finally create a full-stack application utilizing all layers of a web application.

RESTful Java with JAX-RS 2.0 Packt Publishing Ltd
Code collaboratively

with GitHub Once you've learned the basics of coding the next step is to start sharing your expertise, learning from other coding pros, or working as a collaborative member of development teams. GitHub is the go-to community for facilitating coding collaboration, and GitHub For Dummies is the next step on your journey as a developer. Written by a GitHub engineer, this book is packed with insight on how GitHub works and how you can use it to become a more effective, efficient, and valuable member of any collaborative programming team. Store and share your work online with GitHub Collaborate with others on your team or across the

international coding community Embrace open-source values and processes Establish yourself as a valuable member of the GitHub community From setting up GitHub on your desktop and launching your first project to cloning repositories, finding useful apps on the marketplace, and improving workflow, *GitHub For Dummies* covers the essentials the novice programmer needs to enhance collaboration and teamwork with this industry-standard tool. *A Guide to Game Design, Development, and Marketing* "O'Reilly Media, Inc." Learn how to design and develop distributed web services in Java, using RESTful architectural principles and the JAX-

RS 2.0 specification in Java EE 7. By focusing on implementation rather than theory, this hands-on reference demonstrates how easy it is to get started with services based on the REST architecture. With the book's technical guide, you'll learn how REST and JAX-RS work and when to use them. The RESTEasy workbook that follows provides step-by-step instructions for installing, configuring, and running several working JAX-RS examples, using the JBoss RESTEasy implementation of JAX-RS 2.0. Learn JAX-RS 2.0 features, including a client API, server-side asynchronous HTTP, and filters and interceptors Examine the design of a distributed RESTful

interface for an e-commerce order entry system Use the JAX-RS Response object to return complex responses to your client (ResponseBuilder) Increase the performance of your services by leveraging HTTP caching protocols Deploy and integrate web services within Java EE7, servlet containers, EJB, Spring,

and JPA Learn popular mechanisms to perform authentication on the Web, including client-side SSL and OAuth 2.0
Beginner's guide to modern React web development with TypeScript 3 "O'Reilly Media, Inc."
LEARN REACT TODAY
The up-to-date, in-depth, complete guide to React and friends. Become a ReactJS expert today