

# Complete React Developer in 2020: Course Guideline

## [Zero to Mastery course catalogue](#)

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### **React Basics**

#### Environment Setup for Mac

- [Visual Studio Code](#)
- [NVM](#)
- [NodeJS](#)
- [Yarn](#)

#### Environment Setup for Windows

- [Visual Studio Code](#)
- [GitBash](#)
- [NodeJS](#)
- [Yarn](#)

#### Monsters Rolodex

- [Github Repo of completed monsters rolodex project](#)
- [Google Fonts](#)
- [JSON placeholder](#)
- [Robohash](#)
- [Redux-Devtools Chrome Extension](#)

#### Pure React

- [UNPKG React](#)
- [UNPKG React-DOM](#)

### **Capstone Project: Intro + Setup**

#### Crwn-Clothing V-2

- [Github Repo](#)

#### Scaffolding our Project

- [Github Repo + Branch: Lesson 1](#)

## Setting Up Our Categories

- [Github Repo + Branch: Lesson 2](#)

## Category Item Component

- [Github Repo + Branch: Lesson 3](#)

## Directory Component

- [Github Repo + Branch: Lesson 4](#)

## Adding Fonts

- [Open Sans Font](#)

## **Routing + React-Router**

### Setting Up Our Homepage

- [React-Router V6 Docs](#)
- [Github Repo + Branch: Lesson 5](#)

## **Authentication + Firebase**

### Setting Up Firebase

- [Firebase](#)

### Authentication Flow

- [Github Repo + Branch: Lesson 6](#)
- [Firebase V9 Docs](#)

### Finish Creating User Documents

- [Github Repo + Branch: Lesson 7](#)

### Sign In Form

- [Github Repo + Branch: Lesson 8](#)

### Finishing Authentication Page

- [Github Repo + Branch: Lesson 9](#)

## **React Context For State Management**

### Signing Out

- [Github Repo + Branch: Lesson 10](#)

## **Observer Pattern**

Finalizing Auth Listener

- [Github Repo + Branch: Lesson 11](#)

## **React Context Continued**

Product Card Component

- [Github Repo + Branch: Lesson 12](#)
- [CSS Grid](#)

Toggle Cart Open

- [Github Repo + Branch: Lesson 13](#)

Add To Cart Pt. 2

- [Github Repo + Branch: Lesson 14](#)

Cart Item Designs

- [Github Repo + Branch: Lesson 15](#)

Cart Total

- [Github Repo + Branch: Lesson 16](#)

## **Firebase Database Storage**

addCollectionAndDocuments Pt. 2

- [Github Repo + Branch: Lesson 17](#)

Get Products + Categories From Firestore

- [Github Repo + Branch: Lesson 18](#)

Using Our CategoriesMap

- [Github Repo + Branch: Lesson 19](#)

Category Preview Component

- [Github Repo + Branch: Lesson 20](#)

Nested Routes in Shop

- [Github Repo + Branch: Lesson 21](#)

## **CSS-in-JS + Styled-Components**

Introducing Styled-Components

- [Github Repo + Branch: Lesson 22](#)

Styled-Components - Button

- [Github Repo + Branch: Lesson 23](#)

Styled-Component - Form Input Component

- [Github Repo + Branch: Styling Start](#)
- [Github Repo + Branch: Lesson 24](#)

## **Deploying With Netlify**

Deploying On Netlify

- [Netlify](#)

Adding Redirect For Netlify

- [Github Repo + Branch: Lesson 25](#)

## **Reducers**

User Reducer

- [Github Repo + Branch: Lesson 26](#)

Cart Reducer Pt. 1

- [Github Repo + Branch: Lesson 27](#)

## **Redux**

React-Redux: Selectors

- [Github Repo + Branch: Lesson 28](#)

Categories Selectors

- [Github Repo + Branch: Lesson 29](#)

Business Logic in Our Selectors

- [Github Repo + Branch: Lesson 30](#)

Migrating Cart Context to Redux Pt. 1

- [Reselect Docs](#)
- [Github Repo + Branch: Lesson 31](#)

Migrating Cart Context to Redux Pt. 4

- [Github Repo + Branch: Lesson 32](#)

### **Redux Extended Tools**

Redux-Persist

- [Github Repo + Branch: Lesson 33](#)

Redux-Devtools

- [Github Repo + Branch: Lesson 34](#)
- [Redux-Devtools Chrome Extension](#)

### **Asynchronous Redux: Redux-Thunk**

Redux-Thunk Pt. 2

- [Github Repo + Branch: Lesson 35](#)

Redux-Thunk Pt. 3

- [Github Repo + Branch: Lesson 36](#)

### **Asynchronous Redux: Redux-Saga**

Generator Functions

- [Generator function\\* Documentation](#)

Redux-Saga: fetchCategoriesAsync Thunk to Saga

- [Github Repo + Branch: Lesson 37](#)

Redux-Saga: Sign Out Sagas

- [Github Repo + Branch: Lesson 38](#)

### **Serverless Functions + Stripe**

Setting Up Stripe

- [Stripe](#)

Finishing Stripe Payment

- [Stripe Test Cards](#)
- [Stripe Elements](#)

Tidying Up Our UI

- [Github Repo + Branch: Lesson 39](#)

## **Typescript Basics: Typing Monsters-Rolodex**

Typescript Introduction

- [Typescript Docs](#)

Typing React's setState

- [Github Repo + Branch](#)

## **Typescript Advanced: Typing Redux + Crwn-Clothing**

Improving Our Reducer Typing

- [Github Repo + Branch: Lesson 40](#)

Typing Redux Cart Files Pt. 2

- [Github Repo + Branch: Lesson 41](#)

## **Typescript Advanced: Typing Firebase + User Redux Files**

Typing User Reducer & Selectors

- [Github Repo + Branch: Lesson 42](#)

## **Typescript Advanced: Redux Store + Middleware**

Typing Our Custom Middleware

- [Github Repo + Branch: Lesson 43](#)

## **Typescript Advanced: Redux-Saga**

Typing User Sagas Pt. 2

- [Github Repo + Branch: Lesson 44](#)

## **Typescript Advanced: Typing Our Crwn-Clothing Components**

Typing Our Payment Form

- [Github Repo + Branch: Lesson 45](#)

## **GraphQL + Apollo Client**

GraphQL Explained

- [GraphQL Docs](#)

Starting Repo + GraphQL Playground

- [Github Starting Repo](#)
- [Crwn-Clothing GraphQL Playground](#)

Updating Components To Consume GraphQL Values

- [Github Repo](#)

Variables in useQuery & Caching

- [Github Repo](#)

Mutations

- [Apollo Mutation Docs](#)

## **Performance Optimizations**

Code Splitting, Dynamic Imports, Suspense & Lazy

- [Github Repo + Branch: Lesson 46](#)

## **Mobile Support**

Mobile Responsiveness 1

- [@media queries](#)
- [Github Repo for start of lesson](#)

Mobile Responsiveness 2

- [CSS grid cheatsheet](#)
- [Github Repo for code up to now](#)
- [Github Repo for completed context exercise](#)

## **Webpack + Babel**

Introduction to Webpack + Babel

- [Github Repo for start of lesson](#)
- [Webpack docs](#)
- [What is regex?](#)
- [What is babel?](#)
- [Babel-loader](#)

Webpack Config

- [Style-loader](#)
- [CSS-loader](#)

- [html-webpack-plugin](#)
- [Github repo for end of lesson](#)

## **Build a Gatsby blog**

### Introduction to Gatsby.js

- [Gatsby.js](#)

### Starting a Gatsby project

- [Gatsby-CLI](#)
- [Gatsby blog starter](#)
- [Gatsby Plugin Directory](#)

### Gatsby Pages

- [Gatsby pages documentation](#)
- [useStaticQuery documentation](#)

### Gatsby GraphQL + Markdown

- [Markdown cheatsheet](#)

### Building our blog 1

- [gatsby-transformer-remark](#)
- [gatsby-source-filesystem](#)

### Building our blog 2

- [gatsby-node.js API](#)
- [createFilePath documentation](#)

### Building our blog 3

- [create-pages](#)
- [createPage](#)
- [tagged-template-literals](#)

### Building our blog 4

- [dangerouslySetInnerHTML documentation](#)
- [path](#)

### Building our blog 5

- [styled-components](#)
- [gatsby-plugin-styled-components](#)
- [babel-plugin-styled-components](#)
- [netlify](#)