# **React Developer Roadmap**

React projects can be structured in different ways. In this repository, we have collected resources for each project type.

**Not sure which source to choose?** You can follow the resources marked with a  $\mathscr{O}$  symbol, they are highly recommended by the community.

### Contribution

Before you head over, read the Contribution Guide first. You are new to contribution process? For more information about the steps and guides, check out the First Contribution Guide.

#### **Table of Contents**

- Prerequisites
  - · Algorithms and Data Structures
  - System Design
  - o Git
  - HTML
  - CSS
  - Browser
- Javascript
- React
  - Basics
    - Function Components
    - Class Components
  - Layout
  - Hooks
    - Custom Hooks
  - Advenced
    - Portals
    - Error Boundaries
    - Contexts
  - Router
  - Internationalization
- Clean Code
  - Javascript
  - Solid
  - Design Patterns
- Folder Structure
- Architecture
  - Clean Architecture

- Hexagonal Architecture
- · Design System
  - Storybook
  - Atomic Design
- Test
  - Unit Test
  - End To End Test
  - Component Test
  - UI Test
- Typescript
  - Basics
- Bundlers
  - Webpack
    - Module Federation
  - Vite
- Task Runners
  - Grunt.JS
- Microfrontends
  - Basics
- Projects
  - Blog
- · Where to Go Next?

## **Prerequisites**

- Algorithms and Data Structures
  - o Book
    - Grokking Algorithms by Aditya Bhargava
    - ✓ Cracking the Coding Interview by Gayle Laakmann McDowell
    - Data Structure and Algorithmic Thinking with Python: Data Structure and Algorithmic Puzzles by Narasimha Karumanchi
    - Introduction to Algorithms (CLRS)
  - Video
    - Data Structures And Algorithms Course by Mosh Hamedani
  - Platform

    - HackerRank
    - CodeWars
    - TheAlgorithms

∘ Repo Coding University Cheat Sheet Data Structures Cheat Sheet Browser How Browsers Work? React Hooks Custom Hooks React Hook Best Practices Clean Code Javascript • Freecodecamp Video Series **Architecture**  Clean Architecture Bullet Proof React

**Mircofrontends** 

Mircofrontends Basics

Codeforces

Introduction

## **Projects**

- Blog
  - Brophy.org