

Front-End Developer Roadmap





Front-End Developer Roadmap



Starting with web development can be overwhelming. This front-end developer roadmap will guide you to start with it in the proper way. We will cover the most important building blocks of the web. This guide will help you to become a modern front-end developer.

Learn the Basics – HTML



HTML



Basics



Emmet



Forms



Semantic HTML



SEO Basics

Learn the Basics – CSS



CSS



Basics



Selectors



Positioning



Box Model



Display



Specificity

Learn the Basics – CSS



CSS



FlexBox



Grid



Media Queries



Pseudo Elements









Pseudo Classes



Animations

Learn the Basics – JS

JavaScript

-  Basic Syntax
-  DOM Manipulation
-  Fetch API / Ajax
-  Async Await
-  Event Listeners
-  ES6+ JavaScript

Learn the Basics – JS

JavaScript



Promises



Classes



Array Methods



Scoping



Hoisting



Closures

Learn any CSS Framework

These are the most popular ones



Bootstrap



Tailwind



Materialize



Bulma



Semantic UI



Foundation

Learn any CSS Preprocessor mostly SASS and SCSS



SASS / SCSS



Postcss



Less



Stylus



Stylecow

Learn basic usage of Version Control System



Git



GitHub

Learn the basics of Package Managers



NPM



Yarn

Pick a JavaScript Framework / Library

The most popular ones



React



Vue



Angular



Svelte



Meteor



Remix

Basic things to learn in



React



Components



JSX



Props



State



Events



Conditional Rendering

Important topic



React – Hooks



useState



useEffect



useRef



useContext



useReducer



useMemo



useCallback

Learn some of the React UI Frameworks



Material UI



Ant Design



Chakra UI



React Bootstrap



Rebass



Blueprint



Semantic UI React

Learn to use popular React packages



React Router



React Query



Axios



React Hook Form



Styled Components



Storybook



Framer Motion

Learn how to manage state in React with state management tools



Redux



MobX



Hookstate



Recoil



Akita

Things to learn after learning React



Next JS



Gatsby



TypeScript



React Native



Electron

Important things to learn in Next JS

-  Static Site Generation
-  Server Side Rendering
-  Incremental Static Regeneration
-  Dynamic Pages
-  CSS / SASS Modules
-  Lazy loading Modules
-  API Routes

Learn to test your apps with some of these libraries / frameworks

★  Jest

★  Testing Library

 Cypress

 Enzyme

 Jasmine

 Mocha

Learn to deploy your websites

Some free popular service



Netlify



Vercel



Firebase



Github Pages



Heroku



Render

Other important topics you should know



PWA



Web Sockets



CORS



JSON



RESTful APIs



GraphQL APIs



Basic Security



Web Accessibility

Learn about style guides

A style guide is a set of standards that outline how code should be written and organized.

A style guide contains general rules.

e.g. which quotes to use, how many spaces to indent, where to put line breaks, etc.

Some tools to help lint and format code



ES Lint



Standard



Prettier

Optional Thing to learn

Module Bundlers



Webpack



Parcel



SnowPack



Rollup.js



Gulp

Project Ideas



Real Estate App



Cryptocurrency App



Travel Companion App



ECommerce Web Shop



Voice Assistant News App



Portfolio Website



Voice Powered Budget Tracker



Blog App with CMS

Project Ideas



Social Media Web App



Modern UI/UX Website



Chat App



Video Chat App



Progressive Web Apps



Covid-19 Tracker App



Google Search Clone



Premium Landing Page