



# Front-End Developer Roadmap



{JS} JavaScript Mastery

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



**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

JS

## JavaScript



Basic Syntax



DOM Manipulation



Fetch API / Ajax



Async Await



Event Listeners



ES6+ JavaScript

# Learn the Basics – JS

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*

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



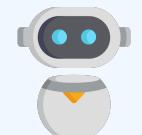
Cryptocurrency App



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



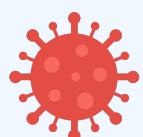
Chat App



Video Chat App



Progressive Web Apps



Covid-19 Tracker App



Google Search Clone



Premium Landing Page

# Important Note

You don't need to learn all the things mentioned in this roadmap to become a front-end developer or get a job as a front-end developer.

There is no end of learning in web development there's always something to learn.

**So never stop learning!**

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