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



- **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





less

stylus Stylus



Learn basic usage of Version Control System





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



- 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 Ul



React Bootstrap



Rebass



Blueprint



Semantic UI React

Learn to use popular React packages



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



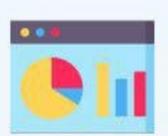
ECommerce Web Shop



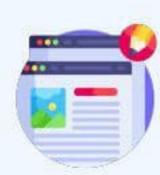
Voice Assistant News App



Portfolio Website



Voice Powered Budget Tracker



Blog App with CMS

Project Ideas



Social Media Web App



Modern UI/UX Website



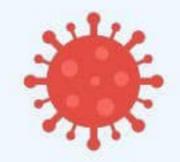
Chat App



Video Chat App



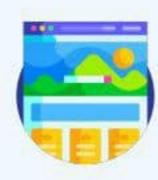
Progressive Web Apps



Covid-19 Tracker App



Google Search Clone



<u>Premium Landing Page</u>