

# Front-End Developer Roadmap



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# 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

These are the most popular ones



React



Vue



Angular



Svelte



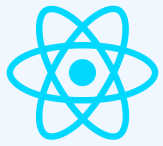
Meteor



Remix



# Basic things to learn



## React JS



Components



JSX



Props



State



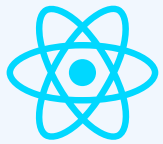
Events



Conditional Rendering



# Important topic



## React JS – 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



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.

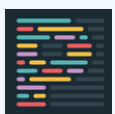
## Some tools to help lint and format code



ES Lint



Standard



Prettier



# Project Ideas



Real Estate App



Cryptocurrency App



Travel Companion App



ECommerce Web Shop



Voice Assistant News App



Portfolio Website



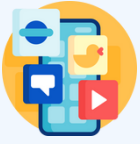
Voice Powered Budget Tracker



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

