

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

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

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

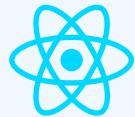
Props

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

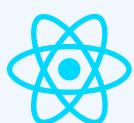


Next JS

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!

Thank You for your attention, Subscribe to my youtube channel for more Advanced Tutorials.



- JavaScript Mastery



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