

Frontend Development Roadmap 2025

A Comprehensive Guide to Becoming a Frontend Developer

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Phase 1: HTML Fundamentals (Weeks 1-3)

- Learn HTML5 semantic elements
- Understand document structure and metadata
- Practice with forms, tables, and lists
- Study accessibility best practices

Phase 2: CSS Styling (Weeks 4-8)

- Master CSS selectors and the box model
- Learn Flexbox for one-dimensional layouts
- Master CSS Grid for two-dimensional layouts
- Practice responsive design with media queries
- Explore CSS animations and transitions

Phase 3: JavaScript Basics (Weeks 9-14)

- Variables, data types, and operators
- Functions and scope
- DOM manipulation and event handling
- ES6+ features: arrow functions, destructuring, modules
- Asynchronous JavaScript: Promises and async/await

Phase 4: Advanced Topics (Weeks 15-20)

- Version control with Git and GitHub
- Package managers: npm or yarn
- Build tools: Webpack, Vite
- Frontend frameworks: React, Vue, or Angular
- Testing: Jest, React Testing Library

Key Resources

- MDN Web Docs: <https://developer.mozilla.org>
- freeCodeCamp: <https://www.freecodecamp.org>
- CSS-Tricks: <https://css-tricks.com>
- JavaScript.info: <https://javascript.info>

Project Ideas

1. Personal Portfolio Website
2. To-Do List Application
3. Weather Dashboard
4. E-commerce Product Page
5. Blog Platform

This document is part of the Frontend Development Guide website.

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