

# Complete Frontend Kit (All tools & tricks for frontend dev.)

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## **Introduction**

This course covers everything you need to become a proficient frontend developer. From basic HTML, CSS, and JavaScript to advanced tools and tricks that will boost your productivity and code quality. Follow these step-by-step lessons to build modern, responsive, and interactive web applications.

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## **Step 1: HTML Basics**

Learn the structure of web pages using HTML. Understand tags, elements, attributes, and semantic HTML.

### **Topics include:**

- Basic tags (html, head, body, div, span, p, a, img, etc.)
  - Lists, tables, and forms
  - Semantic elements (header, footer, section, article, nav, etc.)
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## **Step 2: CSS Fundamentals**

Style your HTML with CSS to create visually appealing layouts and designs.

### **Topics include:**

- Selectors, properties, and values
- Box model and positioning
- Flexbox and Grid
- Responsive design and media queries
- CSS variables and pseudo-classes

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### **Step 3: JavaScript Essentials**

Add interactivity to your websites with JavaScript.

**Topics include:**

- Variables, data types, and operators
  - Functions and scope
  - DOM manipulation
  - Events and event listeners
  - ES6+ features (let/const, arrow functions, promises, async/await)
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### **Step 4: Version Control with Git**

Learn to track and manage your code changes using Git.

**Topics include:**

- Git basics (init, add, commit)
  - Branching and merging
  - Working with remote repositories (GitHub, GitLab)
  - Collaboration workflows
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### **Step 5: Package Managers & Build Tools**

Understand how to manage dependencies and automate your workflow.

**Topics include:**

- npm and yarn
  - Webpack basics
  - Task runners (Gulp)
  - Babel and transpiling
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## **Step 6: CSS Preprocessors & Frameworks**

Write cleaner CSS and speed up development.

### **Topics include:**

- SASS/SCSS basics
  - Using Bootstrap and Tailwind CSS
  - Utility-first CSS
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## **Step 7: JavaScript Frameworks & Libraries**

Build scalable and maintainable frontends with popular frameworks.

### **Topics include:**

- React basics and hooks
  - Vue.js fundamentals
  - Introduction to Angular
  - State management (Redux, Vuex)
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## **Step 8: Testing & Debugging**

Ensure your code works correctly and fix issues efficiently.

### **Topics include:**

- Browser developer tools
  - Debugging techniques
  - Unit testing with Jest
  - End-to-end testing with Cypress
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## **Step 9: Performance Optimization & SEO**

Make your websites fast and search engine friendly.

### **Topics include:**

- Minification and bundling
  - Lazy loading
  - Accessibility basics
  - SEO best practices
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## **Step 10: Deployment & Hosting**

Deploy your projects to the web.

### **Topics include:**

- Using GitHub Pages
- Netlify and Vercel
- Basic CI/CD pipelines
- Custom domains and HTTPS