

# FUNDAMENTAL SKILLS

Wondering what you need to know to get your first front-end development job? Here's a detailed list of concepts you need to be familiar with.

## HTML

- Essential HTML elements (headings, paragraphs, anchors, images, etc)
- Containers (div and span)
- Semantic HTML5 elements (main, section, article, etc)
- Lists (unordered, ordered and description lists)
- Tables
- Forms and input controls
- Elements for embedding media (picture, video and audio)
- HTML Validation

## CSS

- Normalizing CSS
- Selectors & pseudo-selectors
- Selectors specificity
- Essential CSS properties (color, padding, margin, border, shadow, etc)
- The box model
- Measurement units (px, %, em, rem, vw, vh, ch)
- Positioning (absolute, relative, static, sticky, fixed)
- Overflowing
- Flex
- Grids
- Media queries

- Styling font and text
- Embedding custom fonts
- Responsive images
- CSS Sprites
- Clipping
- Filters
- SVG (Scalable Vector Graphics)
- Icon fonts
- Transformations
- Transitions
- Animations
- Object-oriented CSS
- BEM naming convention

## JavaScript

- Variables and constants
- Arrays
- Objects
- Functions
- Value and reference types
- Operators
- Conditional statements
- Loops
- Prototypes
- Prototypical inheritance
- Classes
- Modules
- Arrow functions

- Spread operator
- Restructuring
- Callbacks
- Promises
- Async and await
- Events
- DOM



Hi! My name is Mosh Hamedani. I'm a software engineer with two decades of experience. I've taught millions of people how to code or how to become professional software engineers through my YouTube channel and online coding school. It's my mission to make software engineering simple and accessible to everyone.

I've a comprehensive set of web development courses that teach you all the skills you need to go from an absolute beginner to a professional software engineer companies love to hire. Check out my coding school for more details:

<https://codewithmosh.com>