OVERVIEW: WEB DEVELOPMENT FUNDAMENTALS

IN THIS LESSON

HTML, CSS & JavaScript

Web design vs web development

Front End vs Back End vs Full Stack

Libraries and frameworks

Nucamp Bootcamps

HTML vs CSS vs JavaScript

HTML

HyperText Markup Language

Used to structure and define webpage content - text, images, audio, video, forms, more

First language of the WWW - most basic building block

HTML vs CSS vs JavaScript

CSS

Cascading Style Sheets

Create webpage appearance, styles & positioning - fonts, colors, margins, animations, more

HTML vs CSS vs JavaScript

JavaScript

Programming language - able to make computations and transform data according to logical instructions

Can change the HTML and CSS of a webpage and make it dynamic - change in response to conditions

Most powerful & complex of the three core technologies

WEB DESIGN vs WEB DEVELOPMENT

Web design: Graphic design, aesthetic concerns such as fonts, colors, layout

Web designer creates the design and hands off to web developer to translate it into code

Nucamp bootcamps are about web development: the underlying code, not the design

TYPES OF WEB DEVELOPMENT: FRONT END vs BACK END vs FULL STACK

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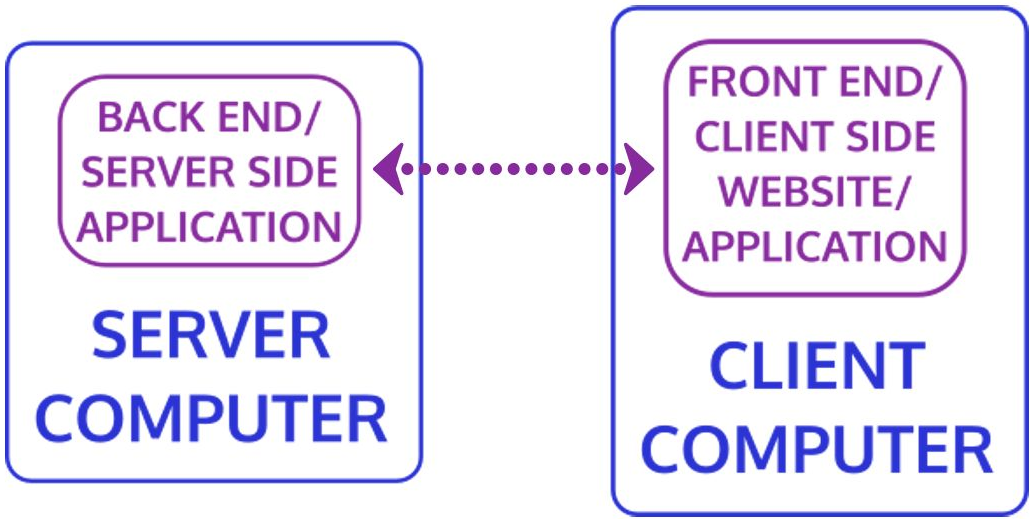


TYPES OF WEB DEVELOPMENT: FRONT END vs BACK END vs FULL STACK

Front End: Code downloaded to & run on client-side computer - CSS, HTML, JavaScript

Back End: Code on the server-side computer that responds to requests from the client - can be JavaScript, PHP, Ruby, Python, etc

Full Stack: Both front and back end

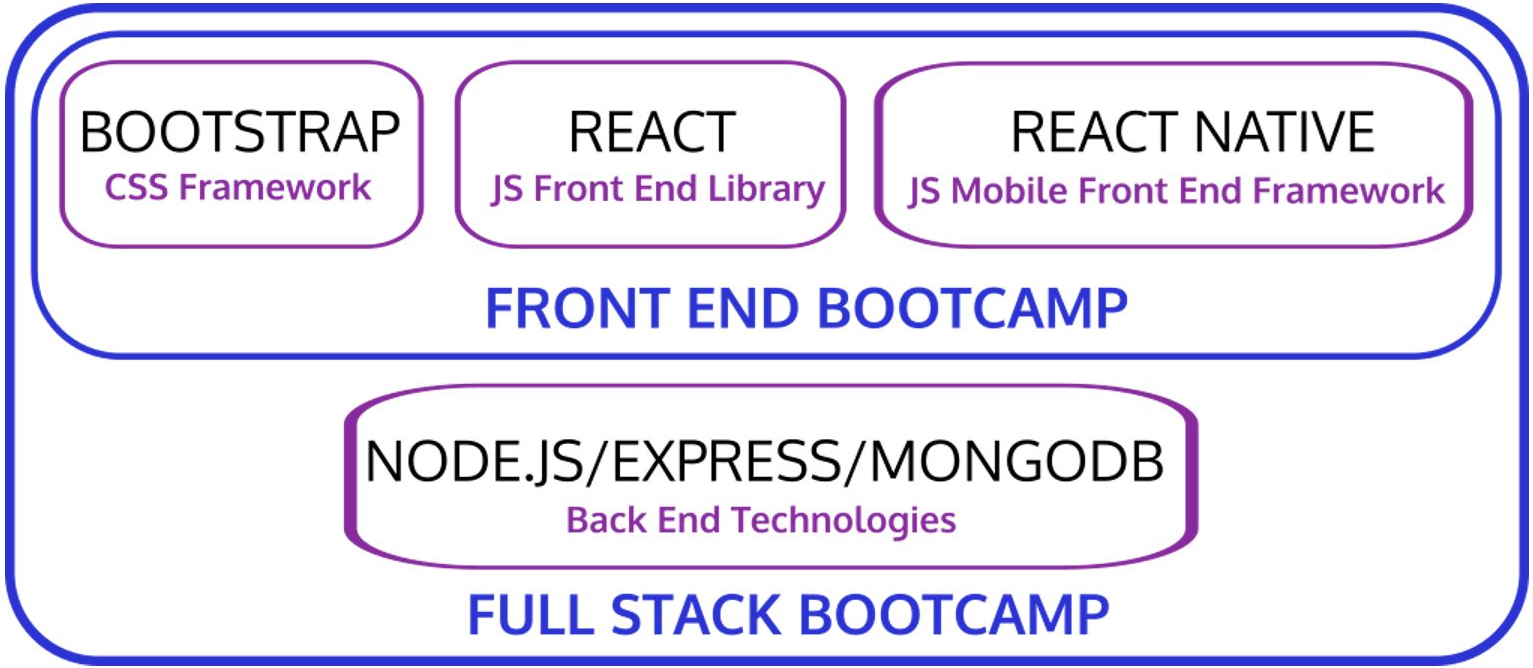
LIBRARIES & FRAMEWORKS

Developers often package reuseable code as open-source libraries and frameworks

Shared with other developers to use instead of reinventing wheel

Many CSS & JavaScript libraries and frameworks

Rare to write webpages from scratch without using one or more

After learning HTML/CSS/JavaScript, next step is to start learning popular libraries/frameworks

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