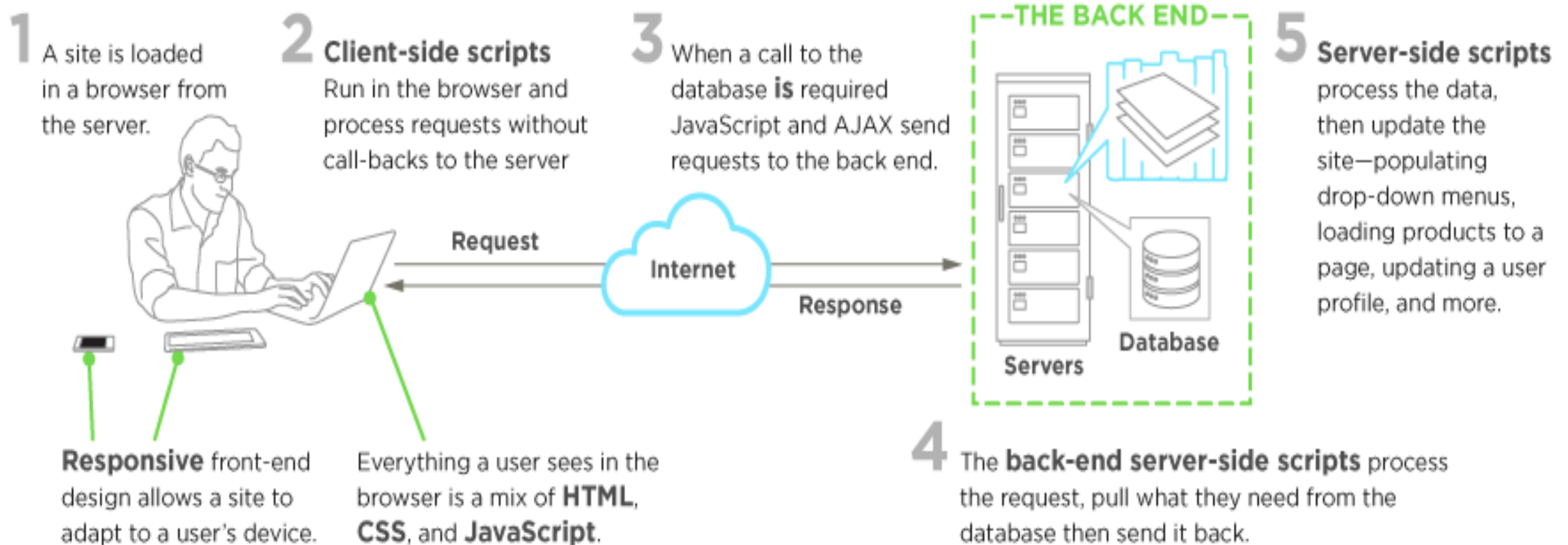


Web development

An Overview

Basic design and implementation of websites



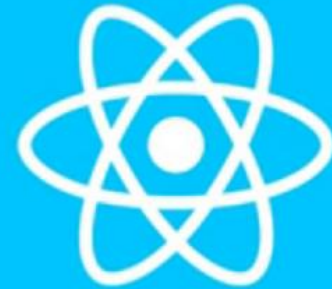
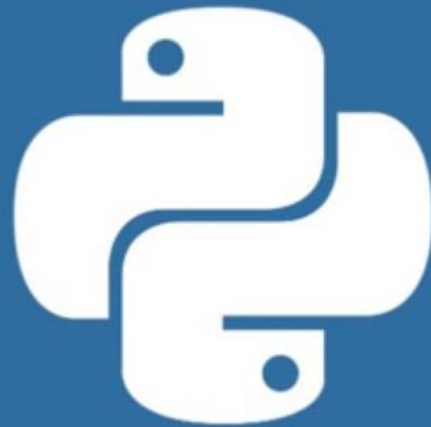


JS



node.js

Sass



MySQL™



Tools & Software

Text/Code Editor

- Visual Studio Code

Web Browser

- [Chrome] or Firefox

Editor Extensions

- Live Server, Live Sass Compiler

Design/ Mockup *

- Adobe XD, Figma, Photoshop, Gimp

Deployment Tools *

- FTP Client, SSH Tools (putty)

3rd Party Terminal *

- Git Bash

HTML & CSS First !

- HTML 5 Elements
- Basic CSS
 - Positioning
 - Box Model
 - Flexbox
 - Grid
 - Custom Properties
- Responsive Layouts
 - Media queries
 - Rem units
 - Mobile first
- Browser Dev Tools



HTML

Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
    <h1>My First Headings </h1>
```

```
    <p> My first paragraph. </p>
```

```
</body>
```

```
</html>
```

```
<!DOCTYPE html>
<html>
<head>
  <title>AJAX Example</title>

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.0/jquery.min.js"></script>

  <!-- Latest compiled and minified CSS -->
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css"

  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js" integrity="sha384
  <!--<script src="{ { url_for('static', filename='js/form.js') }}"></script>-->
</head>
<body>
<div class="container">
  <br><br><br><br>
  <form class="form-inline" id= "myForm">
    <div class="form-group">
      <label class="sr-only" for="emailInput">Email address</label>
      <input type="email" class="form-control" id="emailInput" placeholder="Email">
    </div>
    <div class="form-group">
      <label class="sr-only" for="nameInput">Name</label>
      <input type="text" class="form-control" id="nameInput" placeholder="First Name">
    </div>
    <input list="myDatalist">
    <datalist id="myDatalist">
    </datalist>
    <button type="submit" class="btn btn-default" onclick="myFunction()">Submit</button>
  </form>
```

Basic Deployment

- Domain Name
- Managed Hosting with cPanel
- FTP/SFTP File Uploader –FileZilla
- Static Hosting – Netlify, Github Pages

HTML



CSS



JavaScript

- Vanilla JS (No Frameworks!)
 - Data Types
 - Functions
 - Conditionals
 - Loops
- DOM Manipulation & Events
- Fetch API & JSON

A large, stylized 'JS' logo in a dark blue-grey color, set against a solid yellow rectangular background that occupies the bottom right portion of the slide.

Side Technologies

- Git & Github
- Basic Command Line
 - npm
 - Git
 - Navigation
- APIs & REST
- Sass (CSS with precompiler)



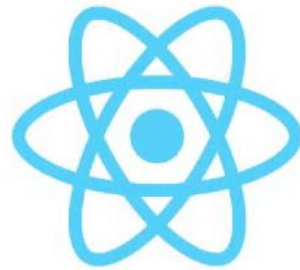
Frameworks / Back-End Languages

HTML / CSS



BootStrap

Front-End



ReatJS



View

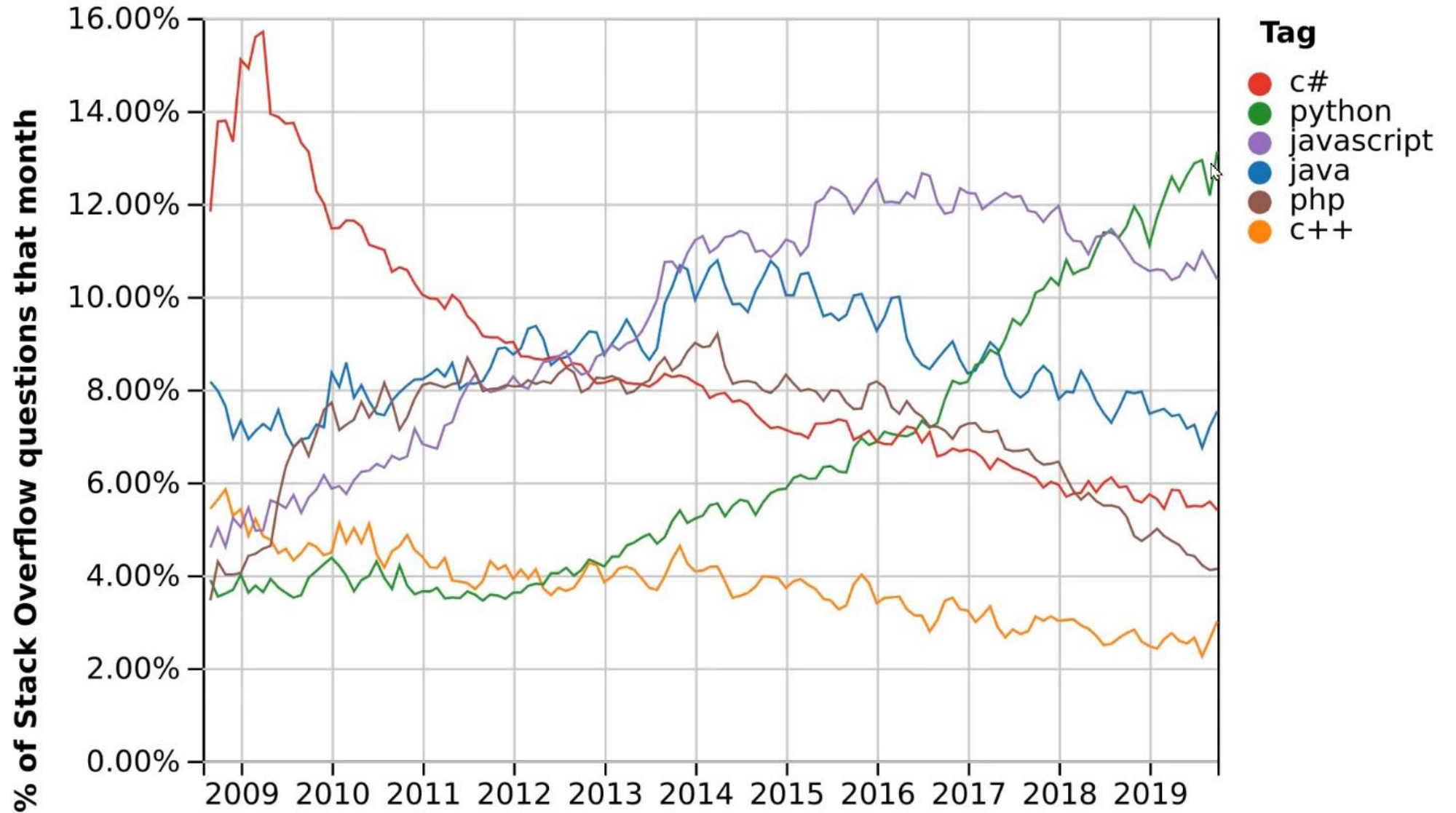


AngularJS

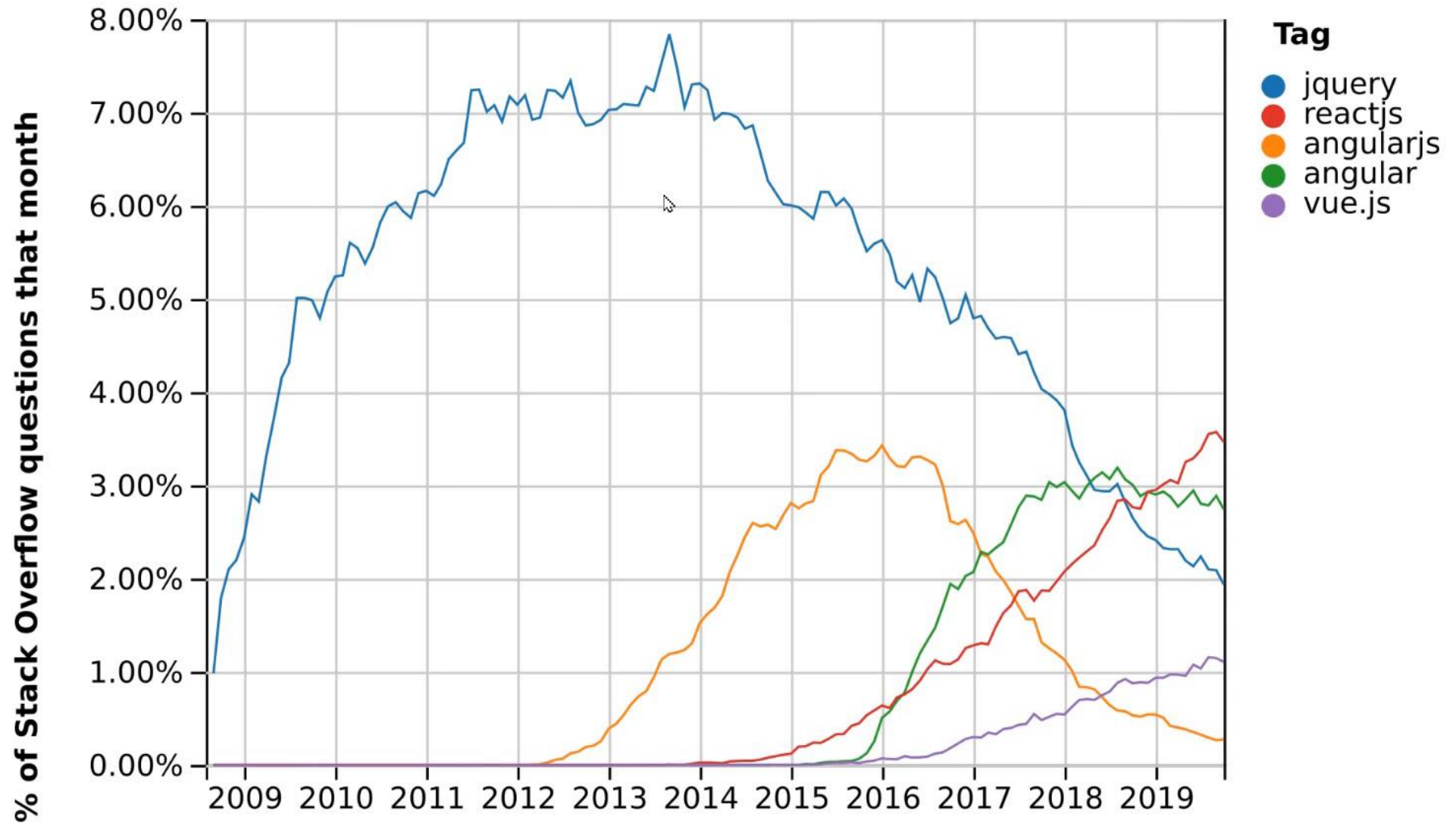
Back-End



Top Languages



Top Frameworks



Trends For 2020

- AI / Chatbots (Python, TensorFlow)
- Interactive Design / Motion UI



Trends For 2020

- AI / Chatbots (Python, TensorFlow)
- Interactive Design / Motion UI
- Progressive Web Apps (PWA)
- Responsive Web Design
- Mobile App Development
 - React Native
 - NativeScript
 - Ionic
- Desktop App Development (Electron)
- GraphQL
- TypeScript



So What to learn ?

- Focus on the Core Technologies – HTML, CSS, JavaScript
- Learn other technologies in your spare time
- Stay up to date with trends and technology

Take your time.

Build a solid foundation with Web Technology course :]

→ never stop learning web development