

# What is Full Stack Web Development?

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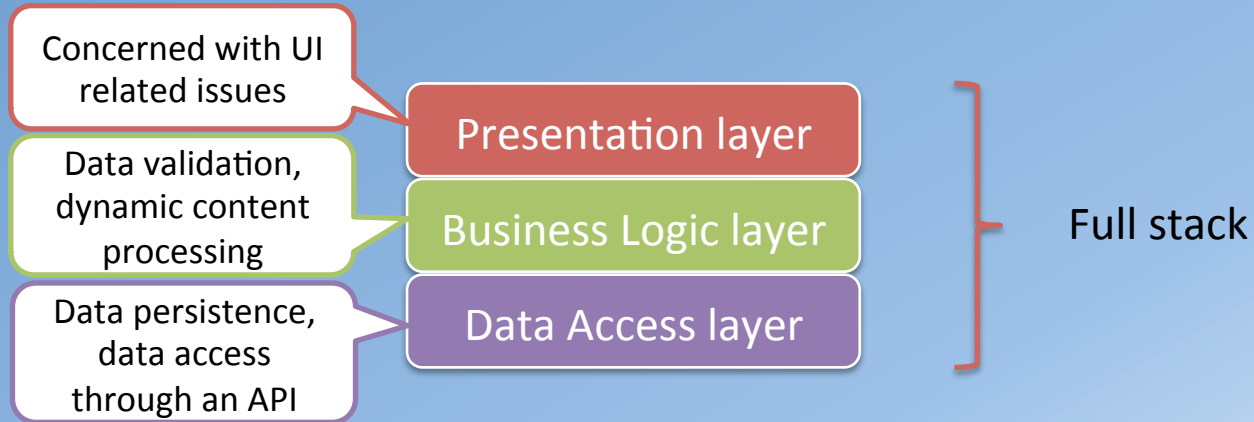


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# Front end and Back end

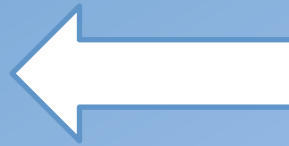
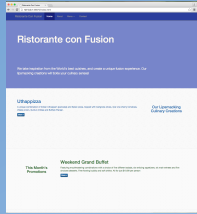
- Front end / Client-side
  - HTML, CSS and Javascript
- Back end / Server-side
  - Various technologies and approaches
  - PHP, Java, ASP.NET, Ruby, Python

# Three Tier Architecture



# Traditional Web Development

HTML, CSS, JS



Server-side  
rendering

Ruby, Python, Java, C++, PHP



DBMS

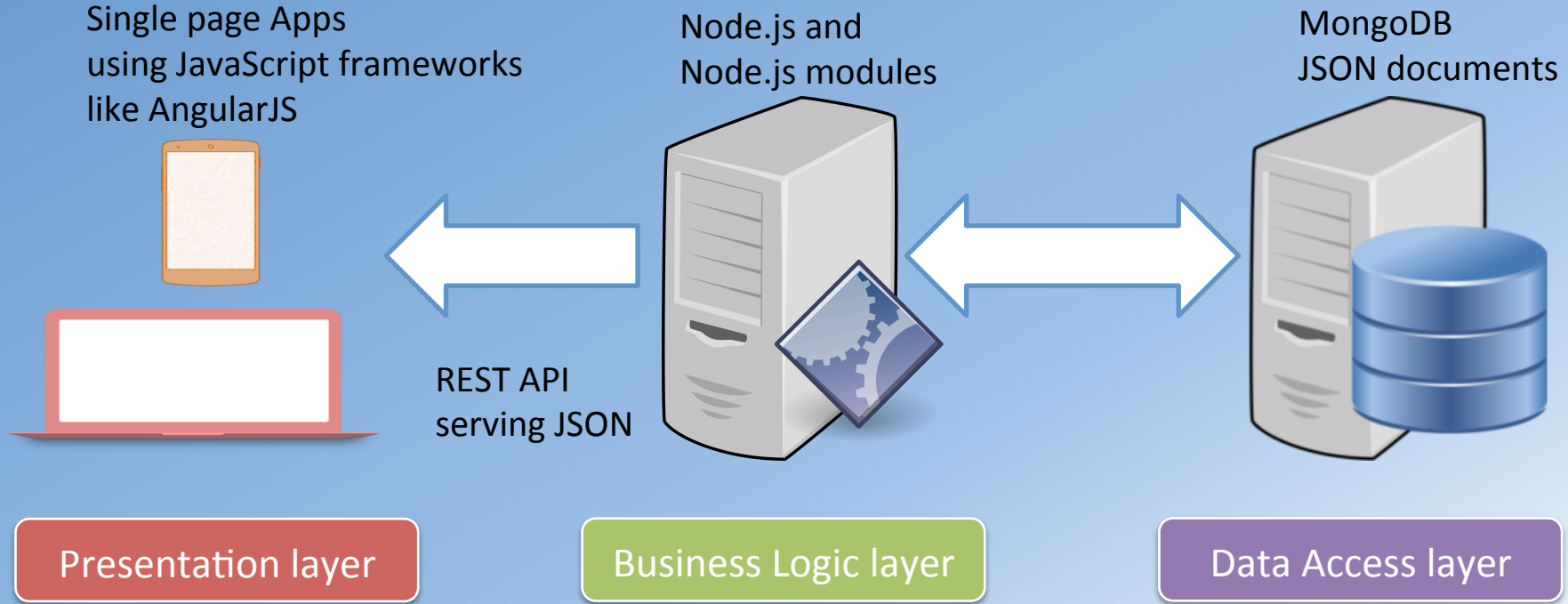


Presentation layer

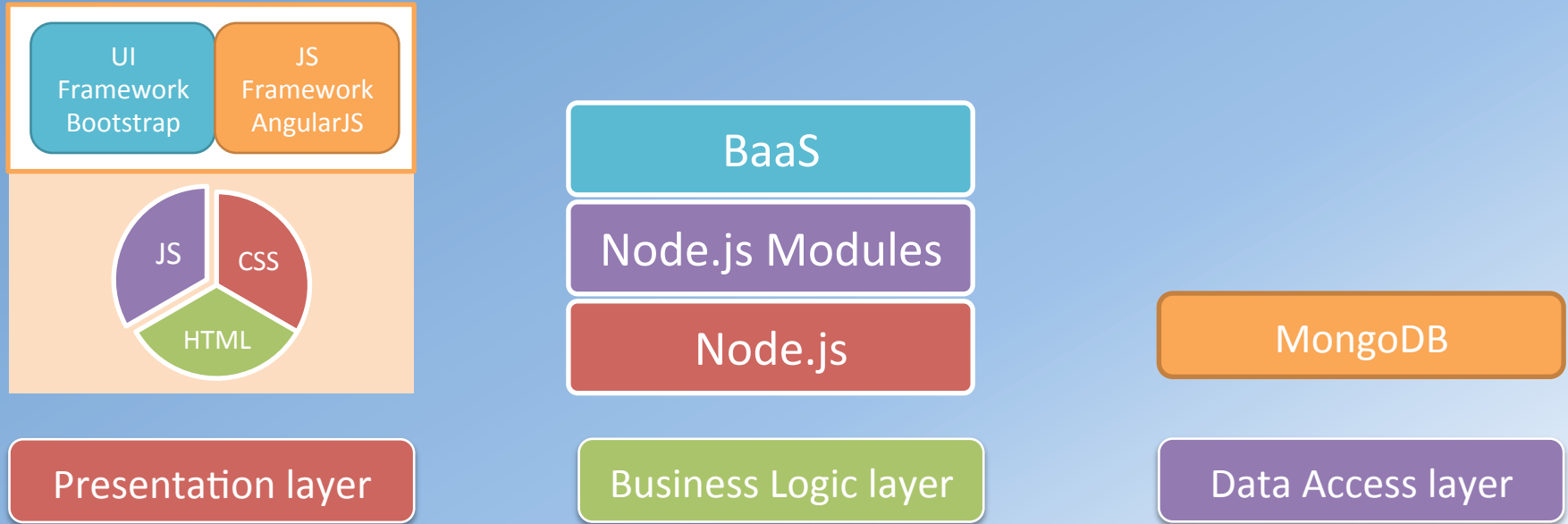
Business Logic layer

Data Access layer

# Full Stack JavaScript Development



# Full Stack Web Development



# Full Stack Web Development

- Course 1: HTML, CSS and JavaScript
- Course 2: Front-End Web UI Frameworks and Tools
  - Bootstrap
  - Bower, Grunt, Gulp, Yo, Yeoman

# Full Stack Web Development

- Course 3: Front-end JavaScript Frameworks: AngularJS
- Course 4: Multiplatform Mobile Application Development using HTML, CSS and JavaScript
  - Cordova
  - Ionic Framework



# Full Stack Web Development

- Course 5: Server-side Development with NodeJS
  - Node JS
  - NodeJS modules
  - BaaS
- Course 6: Full Stack Web Development Capstone Project