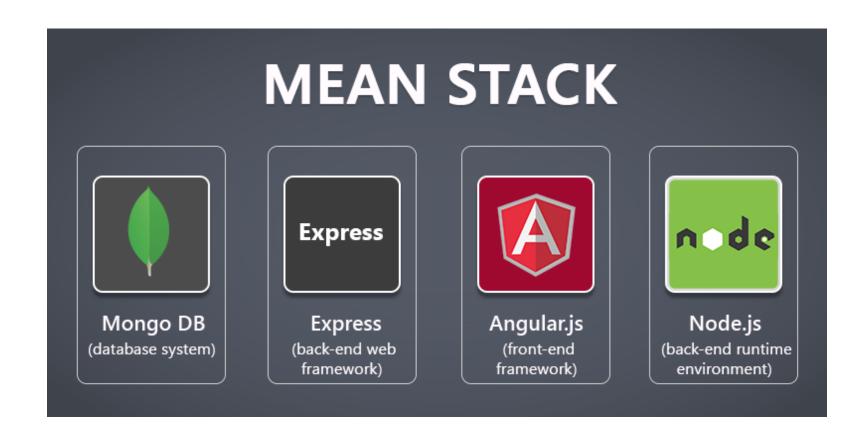
## Introduction to MEAN stack

Rajeev Gupta Java Trainer & consultant

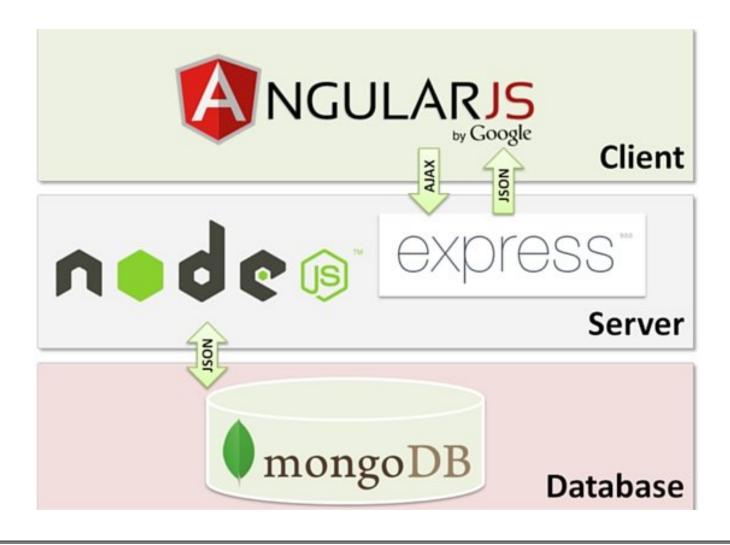
### What is MEAN



### What is MEAN

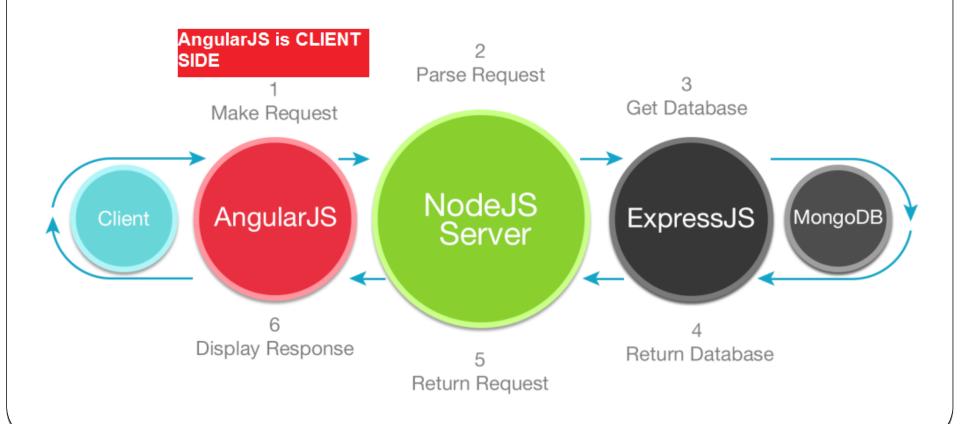
- M = MongoDB --> DATA solution
- E = Express JS (for use with nodeJS) -->
  Routing and ease of transactions (above simple NodeJS),
  session management, server side
- A = AngularJS (for use with nodeJS) -->
  Presentation layer ease (above simple NodeJS)
  THIS IS CLIENT SIDE MVC
- N = NodeJS -->
  Plateform for javascript frameworks
  Express and Angular built on top of nodejs
  used for serverside programs, server side

## MEAN application flow



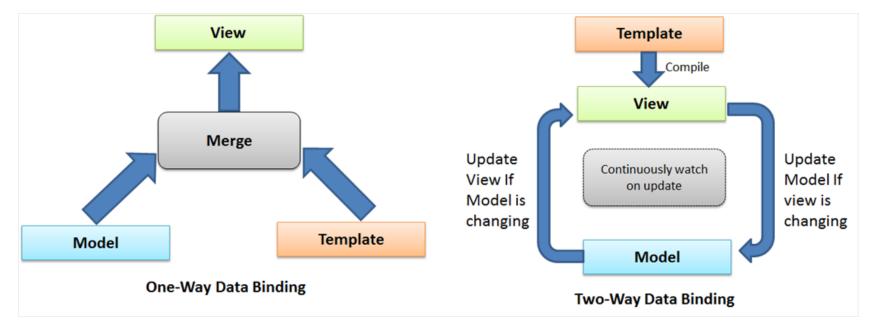
#### User Request Processing MEAN

 Here we can see how a user/client request is processed and response returned



## MEAN Role of AngularJS

 With AngularJS - MEAN- : Puts HTML together on CLIENT side based on data provided AND updates HTML if data changes (subscribes) and can also update the data if HTML changes (a push) --> Called 2 way data binding

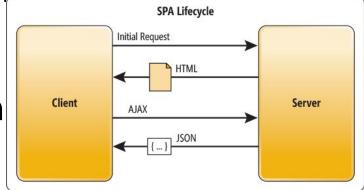


# What does AngularJS give us

AngularJS used to create Single Page

Application (SPA)

What is a single page applica



- SPA = Think of Yahoo! or Google Mail as examples.
  - runs inside single page load, just updates part of the page as you need it.
  - Positives: once you load it, it has fast response, moves some of computation to client side (in AngularIS)

### When MEAN

- don't care about longer initial load time, but, want faster interactive use
- Example: Admin interface of Blog where blogger creates new entries and manages old blog posts.



