Mean Stack Training Syllabus

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1. **Node.js**

* Getting started with Node.js
* Node Package Manager
* Modules
* Asynchronous Programming
* Callbacks
* Events and Event Loop
* Streams and Buffers
* Connecting Node.js to Database
* Web Sockets

1. **Angular .js**

* Angular Architecture
* Dynamic Binding
* Modules, Controllers, and Scope
* Views
* Custom Directives
* Event Directives
* Expressions
* Built-in and Custom Filters
* Understanding the Digest Loop
* Form Validations
* AngularJS Service Types
* Factories
* Creating Custom Services
* Routing, Redirects, and Promises

1. **Express .js**

* MVC Pattern
* Introduction to Express
* Routing
* HTTP Interaction
* Handling Form Data
* Handling Query Parameters
* Cookies and Sessions
* User Authentication
* Error Handling
* Creating and Consuming RESTful Services
* Using Templates

1. **MongoDB**

* Concepts
* Scaling
* SQL and Complex Transactions
* Documents Overview
* Installing MongoDB (windows)
* Installing MongoDB (Linux)
* JSON
* Dynamic Schema
* Cursors Introduction
* Query Language: Basic Concepts
* Query Language: Projection
* Query Language: Advantages of a Dynamic Schema
* Shell: Queries
* Sorting
* Query Language: Cursors
* User Authentication
* Error Handling