



Shaping Talents



Shaping Future

JOIN US

Become a Certified
Technology Expert



FULL STACK
MEAN DEVELOPER
TRAINING

Full Stack MEAN Developer Training

About EnhanceLearn

EnhanceLearn offers you a complete career transition by providing training and placement programs for Students and Jobseekers looking for a Career Success. We provide best IT training and certification courses which is taken by professional certified experts. The training modules are designed as per the market requirement so that it helps student to conquer the Career Job Market and achieve their career goals with our placement assistance.



About the Full Stack MEAN Developer Training Course

Full Stack (MEAN) Developer Training program offered by EnhanceLearn, is a complete course of training provided you to learn and excel in every components of the Full Stack Development. Our experienced trainers with expertise in FULL Stack (MEAN) Development masters you in creating efficient enterprise-style applications and web applications ranging from client and server sides to databases to develop using JavaScript Node.js, Express framework, front-end coding using Angular.js, and databases with MongoDB. Our trainers learning delivers examples with real world scenarios delivering practical value to learners. You will become experts in front-end and back-end JavaScript technologies of the popular, MEAN (MongoDB, Express, Angular, and Node.js).

Why Take Full Stack MEAN Developer Training Course?

This training program gives a thorough understanding of FULL Stack (MEAN) technologies, MongoDB, Express, Angular, and Node.js, and you become master in JavaScript technologies both on the front-end, on the back-end, databases and more.

An average full stack developer earns an average annual salary of about \$82.8K a year. However, with the right skills and experience, one can earn value of more than of \$121K a year.

FULL Stack (MEAN) Developer Training program has become one of the most popular and in-demand because of all the benefits it offers Web developers to master in a combination of technologies and excelling in a whole as a Developer in every aspect be it front end, back end, database or servers. Their careers to a new heights being a FULL Stack (MEAN) Developer.

Fast-track your career to take on more lucrative job roles and take your career to the next level.

If you are interested in joining EnhanceLearn's best Training and Placement Program team, please reach our team here:

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Course Content:

Module 1: HTML Fundamentals

Introduction

- HTML Text
- HTML Links
- HTML Tables
- HTML Form and Form Elements
- HTML Forms Fundamentals
- HTML Form Inputs
- HTML Images and Objects

Module 2: Introduction of Full Stack

- Basic Programming
- HTML Fundamentals Introduction
- jQuery
- JavaScript
- Git
- React.JS
- Node.JS
- Express.JS
- AngularJS
- MongoDB

Module 3: Introduction to MEAN

- Defining MEAN
- Architecture of MEAN
- Scope of MEAN
- Benefits of Using MEAN
- Application of MEAN
- The Four Building Components
 - Mongo DB
 - Express
 - Angular.js
 - Node.js
- Collaboration of the four technologies
- Outcome and Deployment

Module 4: JavaScript Fundamentals

- Variables
- Arrays
- Strings
- Loops
- If/else and equivalence
- Object Literals
- JSON
- Functions

- Scope and Hoisting

Module 4: Introduction to JQuery

- Introduction JQuery
- JQuery Selectors
- JQuery - Document Traversal
- JQuery Forms & Events
- JQuery - HTML
- DOM Manipulation
- JQuery Effects
- JQuery AJAX & Utilities
- JQuery Plugins
- JQuery UI
- JQuery Mobile Introduction

Module 5: Introduction to MongoDB

- Installing MongoDB
- The current SQL/NoSQL landscape
- Document-oriented vs. other types of storage
- Mongo's feature set
- Common use-cases
- MongoDB databases
- MongoDB Collections
- MongoDB Documents
- CRUD Operations in MongoDB
 - Creating documents
 - insert()
 - update()
 - save()
 - Querying documents
 - find()
 - Working with equality
 - Query operators
 - Building complex queries
 - Updating documents
 - Deleting documents
- Introduction to Mongoose
 - Word on ORM/ODM
 - Installing mongoose
 - Connecting to MongoDB from mongoose
- Core Concepts of Mongoose
 - Understanding mongoose schemas and datatypes
 - Working with Models
 - Using modifiers in schema

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- Using virtual fields
- Optimizing query performance by enabling indexes
- Extending Models
 - Working with hooks
 - Validation of model data
 - Creating custom static methods
 - Creating custom instance methods
 - CRUD operations with Mongoose

Module 6: Introduction to Express.js

- Express.js Introduction & Setup
 - Installing express
 - First App with express – Demo
 - Little about routes
 - Little about Express middleware
 - Serving static files with express
 - Express application generator
 - What is js
- Routing in Depth
 - Route Methods
 - Route Paths
 - Parametrized Routes
 - Route Handlers
 - Express Router
- Middleware
 - Types of middleware
 - Application
 - Router
 - Error
 - Built-in
 - Third-party
 - Error middleware
 - Bodyparser, cookie parser, session management
- Template Engines
 - What are template engines
 - EJS
 - Jade
 - Handlebars
- Express.js security
 - Authentication
 - JWT
 - Securing routes

- Debugging in Express
- Real-time programming with Socket.io
- Scaling node.js applications
 - The Child process model
 - exec, spawn, and fork functions
 - Using the Cluster module

Module 7: Introduction to Angular

- Introduction
- Why Angular.js?
 - User Experience similar to a Desktop Application
 - Productivity and Tooling
 - Performance
 - Community
 - Full-featured Framework
 - Platform for Targeting Native Mobile not just Web Browsers
- Understanding Angular Versions
- Understanding Angular.js 5.0
 - Drop-in replacement for Angular 0
- Angular 4 Features
 - View Engine generates smaller code
 - Enhanced *ngIf syntax
 - Animation code now in own packages
 - TypeScript 1
 - Improved compiler speed
 - Angular Universal
- Angular.js Basics
 - Components
 - Templates
 - Inline Templates
 - Multi-line Templates using ES6 Template Literals
 - External with Component-relative Paths
 - Modules
 - Models
- Angular.js 4.0 Bindings
 - HTML in templates
 - Interpolation
 - Binding syntax

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- Property binding
 - Event binding
 - Two-way data binding
 - Attribute, class, and style bindings
 - Built-in Directives
 - Built-in attribute directives: NgClass, NgStyle, NgModel
 - Built-in structural directives: NgIf (includes enhanced *ngIf syntax in Angular 5.0), NgFor
 - Template Input Variables
 - The NgSwitch Directives
 - Components
 - Component Communication
 - Input properties
 - Output properties: Custom Events using EventEmitters
 - Services and Dependency Injection
 - Angular's Dependency Injection System
 - Registering
 - Injecting
 - Using services to access data
 - Template-driven Forms
 - NgSubmit Directive
 - FormsModule
 - NgForm, NgModel
 - Validation
 - Displaying validation messages
 - Styling validation messages
 - Communicating with the Server using the HTTP Service
 - Deciding between Promises or Observables (RxJS)
 - Making http GET Requests
 - Making http POST and PUT Requests
 - Issuing a http DELETE Request
 - Router
 - Importing the RouterModule and Routes
 - Configuring Routes
 - Displaying Components using a RouterOutlet
 - Navigating with RouterLink
 - Accessing parameters
 - Organizing your code into Modules
 - Working with logging and Error Handling
 - Security with Angular.js
 - JSON based communication
 - Route guards
 - Auth0 based security
 - Testing
 - Tools: Jasmine, Karma
 - Jasmine Syntax: describe, it, beforeEach, afterEach, matchers
 - Setup and your First Test
 - E2E Testing
 - Model-driven Forms (Reactive Forms)
 - Reactive Forms Module
 - Abstract Control, Form Control, Form Group, and Form Array
 - Form Builder
 - Validators
 - Displaying Validation Messages
 - Styling Validation Messages
 - Attribute Directives
 - Creating a custom Attribute Directive using ElementRef, Render
 - Pipes
 - Built-in Pipes: Using, Passing Parameters, Chaining
 - Creating a custom Pipe using Pipe Transform
 - Understanding Pure and Impure Pipes
 - Angular Universal for Server-side Rendering
 - Creating, Building, and Deploying an Angular Application
 - Manually
 - Using the Angular CLI with Ahead-of-Time (AOT) Compilation and Tree-Shaking (removing unused library code)
- Module 8: Introduction to Node.js**
- Introduction to Node.js
 - What is js?
 - A word on eventloop
 - Event driven architecture
 - Blocking VS non-blocking code
 - Setup js
 - Node REPL

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- HelloWorld program
- Debugging node.js app
- **Modules in JS**
 - Understanding exports and require
 - Creating modules
 - Importing modules
 - Quick tour on npm
 - Installing third-party modules
- **Events & Streams**
 - Significance of Events
 - Event Emitter class
 - Emitting and listening to events
 - Types of streams
 - Working with streams
 - Composing streams using pipe
- **Working with Process and File System**
- **Process object**
- **Handling exceptions at process level**
- **Listening to process events**
- **Working with file system using fs module**
- **Creating, Copying, Deleting files**
- **Creating, Copying, Deleting directories**
- **Watching for file changes**

Module 9: Full Stack Projects

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