



Scope of the program

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We will talk about the career path on edwisor.com

- 1) Language
- 2) Frontend Development
- 3) Backend Development
- 4) Deployment and Cloud
- 5) MEAN stack

Javascript language will be covered from scratch till end

- **Basic Javascript programming for beginners** - Basics of programming, Data manipulation, Loops, Operators, Objects, Arrays and JSON (JS Level 1)
- **Functional programming using Modern JS (ES6)** - Syntax features, arrow functions, spread operators and rest parameters, object oriented programming (JS Level 2)
- **Object oriented programming using Typescript** - Basic grammar, functions and objects, interfaces, classes etc. (Angular Level 1)

Front End part will cover both Design and Dynamism

- **Frontend Design**

- Responsive Design using HTML 5, CSS 3, Bootstrap and some additional concepts like git.
- Advance Design including design practices, graceful degradation and progressive enhancements.

- **Frontend Development**

- Basics of Angular including routing, templating, services, rx/js, forms and architectural overview.
- Advance concepts in Angular including shared components, authorization and authentication, JWT, Socket connection, data binding, interceptors etc.

Backend part will cover NodeJS end to end, API Development and Advance MongoDB

- NodeJS

- Basic NodeJS
covering conceptual introductions and basic http server
- Advance NodeJS
File Handling, Streams, Buffers and Clustering

- REST APIs

- Basic REST APIs
ExpressJs, mongodb basics, mongoose, middlewares, libraries, documentation, basic REST API - CRUD
- Advance REST API
Covering JWT, authentication and authorization, Events, Socket.IO, Redis, Reverse engineering applications.

We will also learn deployment and cloud

- **Hosting**

- Nginx
Setting up virtual servers,
reverse proxy and advance
configuration
- Application Hosting
Hosting your - Basic website,
Angular app, REST APIs,
Databases etc

- **AWS Cloud**

- Basic REST APIs
ec2, s3, route 53, setting up
DNS

MEAN Stack is a combination of Frontend and Backend as a Skill

- You will also learn advanced level of MongoDB
- You will also learn JQuery as a skill both at basic and advance levels.
- The person who goes through the whole program will acquire the knowledge to create any kind of web platforms present in the world.

The next steps are ...

Javascript - Introduction