

Roadmap for Node JS

Week 1:

- JS and Node js Basic
 - Learn about event and event delegation in JS
 - Concept of closure and higher order function

Week 2:

- Concept of Event loop
- Concept of asynchronous programming in node js (async/await, promise)
- Concept of Callbacks

Week 3 & 4:

- Creating server in Node js
- Creating rest API's
- Using express.js
- MVC pattern

Week 5:

- Other frameworks
 - Nest JS
 - Hono
- GraphQL
 - Introduction
 - Apollo Server package
 - Schema, typedefs, resolvers
 - Using packages to make our lives easier

Week 6:

- Optimization and Security:
 - Importance of optimization and security
 - Environment variables
 - Concept of CORS
 - Different attacks to server (XSS, SQL injection, DDOS)
 - Prevention to common type of attacks

Week 7:

- Documentation and testing
 - Importance of documentation and testing
 - Documenting and testing the practice project

Week 8 – 12:

- Working in production project
 - Briefing with the team
 - Documenting and creating system design for the project
 - Creating the project
 - Optimizing the project
 - Securing the project
 - Deploying the project