

Node.js Training Course Content

by Sindhu

Module 1: Getting started with Node.js and ExpressJS

- What is NodeJS
- Installing NodeJS
- Building first Node App
- Pushing code to GitHub
- Deploying application to Heroku

Module 2: Building application with EJS Template

- JavaScript Templating Engines
- Creating project using EJS template
- Twitter Bootstrap
- How to modularize code by separating routes
- How to use EJS partials
- Deploy code to Heroku

Module 3: Building Application using Jade and Handlebars template

- Jade Templating Engines
- Getting started with Jade
- Using code to create a web app
- Deploying Jade application to Heroku
- Handlebars templates and partials
- Using Handlebars to create a web app
- Deploying Handlebars application to Heroku

Module 4: Build Web Applications using ExpressJS & MongoDB - Part 1

- Introduction to MongoDB
- Getting started with Mongoose
- Understanding Mongoose Schema and Model
- Using body-parser and express-session modules
- Using chalk to differentiate log messages
- Hashing passwords with bcrypt
- Performing Authentication using MongoDB
- Implementing Signup,Login,Logout features

Module 5: Build Web Applications using ExpressJS & MongoDB - Part 2

- To add Summernote editor to story creation page
- To Save user Stories
- To generate a slug for each story
- To handle 404 and 500 errors
- To use MongoLabs host MongoDB as our database
- To deploy the application to Heroku
- How to buy domain and set custom domain for Heroku application

Module 6: Building Realtime Chat Application using Socket.IO

- Introduction to Web Socket and Socket IO
- Getting started with Socket IO
- Handling events at a server and client side
- Designing the Chat UI

- Handling private and public messages
- Deploying the chat application to Heroku

Module 7: Build Systems - Grunt and Gulp, Testing with Mocha and Chai

- What is a Build System
- Why we need Build System
- Getting started with Grunt
- Getting Grunt tasks for CSS,JS minification and watch
- Getting started with Gulp
- Writing gulp tasks for CSS,JS minification and watch
- Writing test cases with Mocha and Chai

Module 8: Getting started with Hapi and Meteor

- Introduction to Node.js Frameworks
- Getting started with Hapi
- Building application with Hapi
- Deploying Hapi application to Heroku cloud
- Getting started with Meteor
- Building application using Meteor
- Deploying Meteor applications to Meteor cloud

Project : Employee Management System

You have to build an Employee Directory App using Node, Express, MongoDB and AngularJS. The application should have all four CRUD (Create, Read, Update, Delete) operation. User should be able to add new employees, edit an employee details, delete an employee record.

CONCLUSION : Additional benefits

- Course Material (Soft Copy)
- Sample resumes and Fine tuning of Resume
- Interview Questions