

Complete Backend Development with Nodejs

Javascript is being used for much more than it originally intended. All backend work may now be done through javascript. In this course, we will learn how to use current javascript to develop comprehensive backend code. To begin, we'll use VSCode to set up some tools. Then we'll learn how to build our own web server without using any third-party modules. After that, we'll learn express. We will also learn how to send web-based and JSON-based responses. We'll go into body parser, middleware, and templating in more detail later.

What you'll learn

Introduction to NodeJS course

Tools to be downloaded
Setting up VSCode and reading docs
Our very first project - web server
How to get exercise files

A web server - Manual work and reading docs

Reading Docs for next project
Configuration for html.js and css files
Finding the file on the server
Handling server error response
Finishing up node server project

Learn Express

What is ExpressJs and templating
Installing express and detail about package file
Creating routes using express
Get Post and Delete requests - Postman
Routing in express
Server response and status code

Body parser, middleware and view engines

What is a middleware
Applying bodyparser with express
Serving static files and form data
Using template engine

Multer - Upload a user profile photo

Overview of multer and documentation
Setting up multer
configuring multer for uploads
Change profile pic using multer

PassportJS - Facebook Authentication

Authentication in nodeJs
Setting up facebook app
Installing dependencies
Create all views
Configuring middleware
Configuring our routes

http and https problem in facebook auth
A demo on Heroku - Not a heroku tutorial

Moving to Big Stack Project

Why we are using MongoDB
Setting up an Amazon instance using Mlab
Take time and read these npm docs
Design scalable folder structure
Creating home route and setup

Move to Mongodb

Connect your project with mongoDB
Creating auth API and a challenge
Solution of challenge
Creating a person schema
Our first query in MongoDB
Creating new object from Mongo model
Generating salt and hash to save password
Using postman for testing

Bigstack Major Project - login routes and tokens

Setting up login route
Validation of password in login route
Creating a Strategy using Passport
Creating tokens with information
Fixing errors and profile route

Bigstack Major Project Working on User Profile

Creating model for UserProfile
Creating route for profile
Collecting user profile values
Update the profile values and save them
Debugging routes part 1
Debugging application - part 2

Bigstack Major Project Unique Username and other routes

Unique username and url based access
Getting all users from database
Deleting a user from database
Workrole - Pushing array in database
Testing array based routes
Writing and testing delete route in array

Bigstack Major Project - Questions and Upvotes

Question Model - Challenge
Creating question model
Creating post question routes and debugging
How to take help from stackoverflow and get route
Posting answers for questions
Upvotes routes and some assignments

Course language: English

Price : Rs.3540/-

Instructor(s)

- Hitesh Choudhary

Course Features

- Course material
- Course resources
- On-demand recorded videos
- Practical exercises
- Quizzes
- Assignments
- Course completion certificate

System Requirements

- System with minimum i3 processor or better
- At least 4 GB of RAM
- Working internet connection
- Dedication to learn