



## Complete Backend Development with Nodejs

### **Description:**

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.

### **Start Date:**

### **Doubt Clear Time:**

### **Course Time:**

### **Features:**

# Course material

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

### **What we learn:**

- # Javascript
- # ES6
- # Web servers
- # Express Js
- # Body parsers
- # Middlewares
- # View Engines
- # Multer
- # Passport JS
- # Big Stack
- # MongoDB integration with Node JS

### **Requirements:**

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

### **Instructor:**

**Name:**

Hitesh Choudhary

**Description:**

I like to make videos related to code and tech in my free time. I also lead a few tech teams in startups, help in hiring talent for companies. I am also on a part time traveller, with 31 countries checked off so far!

**>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 Mongoddb:**

- >> 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