

30 Days Express.js Full Roadmap — beginner → advanced

WEEK 1: Node.js + Express Basics (Foundation)

Day 1 – Node.js Basics

- What is Node.js
- Why Node.js
- Node vs Browser JS
- `require()` & `module.exports`
- Simple HTTP server

 Mini Task:

```
http.createServer((req, res) => {
  res.end("Hello Node");
});
```

Day 2 – NPM & Project Setup

- `npm init`
- `package.json` samajhna
- `node_modules` kya hai
- `nodemon install`

 Task:

- nodemon se server run karo

Day 3 – Express Introduction

- `express install`
- `app.get()`
- `app.listen()`
- `res.send()`

 Task:

- `/`, `/about`, `/contact` routes banao

Day 4 – Routing Deep Dive

- GET vs POST
- Route params
- Query params

 Example:

```
app.get("/user/:id", ...)
```

Day 5 – Middleware Basics

- Middleware kya hota hai
- next()
- Custom middleware

 Task:

- Logger middleware banao

Day 6 – Built-in Middleware

- express.json()
- express.urlencoded()

 Task:

- POST request se data receive karo

Day 7 – Mini Project

Basic API

- GET users
- POST user
- Middleware use karo

WEEK 2: CRUD + Database (MongoDB)

Day 8 – MongoDB Intro

- MongoDB kya hai
- Collection / Document
- MongoDB Compass

Day 9 – Mongoose Setup

- mongoose install
 - connect to DB
-

Day 10 – Schema & Model

- Schema banana
 - Model banana
-

Day 11 – CREATE Operation

- POST data
 - Save to DB
-

Day 12 – READ Operation

- find()
 - findById()
-

Day 13 – UPDATE Operation

- findByIdAndUpdate()
-

Day 14 – DELETE Operation

- findByIdAndDelete()
-

WEEK 3: Advanced Backend Concepts

Day 15 – Error Handling

- try-catch
 - custom error middleware
-

Day 16 – Environment Variables

- dotenv
 - process.env
-

Day 17 – Authentication (Basics)

- bcrypt
 - password hashing
-

Day 18 – JWT Authentication

- jwt sign
 - jwt verify
 - protected routes
-

Day 19 – Role Based Access

- Admin / User logic
-

Day 20 – File Upload

- multer
 - upload image
-

WEEK 4: Real Projects & Optimization

Day 21 – Pagination & Filtering

- page & limit
 - search
-

Day 22 – API Security

- cors
 - helmet
 - rate limit
-

Day 23 – API Testing

- Postman
 - Thunder Client
-

Day 24 – MVC Architecture

- controllers
 - routes
 - models
-

Day 25 – Connect React + Express

- fetch from frontend
 - CORS setup
-
-

Day 26 – Full CRUD Project

 Blog / Todo / Product App

Day 27 – Deploy Backend

- Render / Railway / Cyclic
-

Day 28 – Debug & Improve

- logs
 - performance
-

Day 29 – Final Project Polish

- clean code
 - folder structure
-

Day 30 – Revision + Confidence

- Revise everything
 - Build from scratch
-

FINAL GOAL (After 30 Days)

- Express Developer
 - CRUD + Auth
 - Real API
 - Ready for MERN
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BONUS PROJECT IDEAS

- Todo App
 - Blog API
 - E-commerce backend
 - Admin dashboard
 - Chat backend
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FINAL LINE

30 din consistently kar liya na, tu Express developer ban chuka hoga.