MOHAMED AMIN

Backend Developer | Node.js

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Summary

Passionate and dedicated backend developer with hands-on experience building scalable RESTful APIs using Node.js, Express.js, and Nest JS. Proficient in working with databases like MongoDB, MySQL, and PostgreSQL, with strong knowledge of Docker and clean architecture principles. Built and deployed multiple full-featured backend systems including e-learning platforms e-commerce APIs, and real-time chat applications. Currently seeking opportunities to apply my backend skills in a collaborative, fast-paced environment where can grow and contribute to real-world products.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, SQL
Frameworks & Libraries: Node.js, Express.js, Nest JS, Socket.IO, Prisma, Mongoose, TypeORM,
Databases: MongoDB, MySQL, PostgreSQL, Redis
Tools & DevOps: Docker, Postman, Swagger, Jest, RESTAPIs, GraphQL , JWT, Git ,GitHub
Frontend (Familiar With): HTML, CSS, Bootstrap, Tailwind CSS, React, Redux

Education

Management information system   2021-2025
Misr Higher Institute For Commerce Computers (MET)

Projects

E-Commerce API ⚭

Technologies Used: Express.js, MongoDB, Mongoose, JWT , Stripe

- Product, Category, Subcategory, Brand, Coupon, Users, Address, Wishlist, Review, Cart, Order Management
- User authentication and role-based access (e.g., customer, admin) using JWT
- Integrated with payment gateways (Stripe) to enable secure transactions
- Implemented filtering, sorting, and pagination for all resources.

Hotels Management API ⚭

Technologies Used: Nest.js, PostgreSQL, TypeORM, JWT , OAuth , stripe

- Designed and implemented a hotel booking backend with role-based access control.

- Handled room listings, availability, booking requests, and user management.

- Used Type ORM for handling entity relationships and PostgreSQL for structured data storage.

- Built with Nest JS modules and services to ensure maintainability and scalability.

E-Learning Platform API 🔗
Technologies Used: Nest.js, MySQL, TypeORM, JWT , Docker

- Developed a full-featured RESTful API for an online learning platform with roles: Users, Instructor, and Courses.

- Implemented authentication and authorization using JWT for session management.

- Built features like course creation, student reviews, and instructor dashboards.

- Utilized Docker Compose to orchestrate MySQL , Adminer, and the backend service.

- Followed modular and scalable architecture with Nest JS and Type ORM.

Chat App API 🔗
Technologies Used: Express.js, Socket.io, MongoDB, JWT

- Built a real-time chat backend using Socket.IO with JWT-based authentication.

- Enabled one-to-one messaging and real-time updates using WebSockets.

- Stored conversations and messages in MongoDB using Mongoose schemas.

- Designed a clean Express.js architecture for easy expansion.

Skills

- Effective Communication

- Time Management

- Teamwork and Collaboration

- Critical Thinking

- Receiving and Giving Feedback

- Problem Solving

- Web Development