

MOHAMED AMIN SAMI

Backend Developer, Node, Js | aboamin909080@gmail.com | +201008690264

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 and ecommerce APIs. Currently seeking opportunities to apply my backend skills in a collaborative environment.

GENERAL INFORMATION

- Full Name: - Mohamed Amin Sami Ahmed
- Location: - Mansoura, Dakahlia, Egypt
- Military Status: - Exempted
- LinkedIn Profile: - [mohamed-amin-b67019216](https://www.linkedin.com/in/mohamed-amin-b67019216)
- GitHub Link: - [mohamedamin12](https://github.com/mohamedamin12)

EDUCATION

2021 – 2025 **Management Information System @ Misr Higher Institute
For Commerce Computer (MET)**

TECHNICAL EXPERIENCE

- | | |
|-----------------------------------|---|
| Language | ▪ JavaScript (ES6+) , TypeScript, SQL |
| Frameworks & Libraries | ▪ Node.js, Express.js, Nest JS, Socket.IO, Prisma, Mongoose, Type ORM, GraphQL. |
| Databases | ▪ MongoDB, MySQL, PostgreSQL, Redis |
| Tools & DevOps | ▪ Docker, Docker Compose, Git, Postman, Swagger, Jest, REST APIs, |
| Frontend (Familiar With) | ▪ HTML, CSS, Bootstrap, Tailwind CSS, React, Redux |

PROJECTS

Create a restful API for E-Commerce

Technologies used: Express.js, MongoDB, Mongoose, JWT

- Developed a scalable e-commerce backend with user authentication, product management, and order tracking.
- Implemented admin functionality for managing products, users, and orders.
- Utilized Mongoose for schema modeling and data validation
- Structured API routes with separation of concerns and modularity.

Hotel Management API (Nest JS, PostgreSQL, Type ORM , OAuth , Jwt)

- 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 (Nest JS, MySQL, Docker, JWT, Type ORM)

- 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 (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 Web Sockets.
- Stored conversations and messages in MongoDB using Mongoose schemas.
- Designed a clean Express.js architecture for easy expansion.

ACHIEVEMENTS

- Reduced API response time by 40% through query optimization and caching.
- Improved system security by implementing JWT authentication and role-based access control, reducing unauthorized access incidents by 70%.
- Refactored legacy codebase, reducing code duplication by 60% and improving maintainability and performance.
- Documented 100% of API endpoints using Swagger, improving developer onboarding time by 50%.
- Built a modular codebase using Nest JS, cutting feature development time by 25% through reusable

LANGAUGE

Arabic: - Native

English: - Intermediate