

Mohammad Adnan

Backend Developer | 1.8+ Years Experience

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Professional Summary

Results-driven Backend Developer with 1.8+ years of experience in designing, developing, and maintaining RESTful APIs, scalable backend systems, and database-driven applications. Proficient in Node.js, Express.js, and TypeScript, with hands-on experience in MongoDB (Mongoose) and MySQL/PostgreSQL (ORM: Sequelize, familiar with Drizzle ORM). Skilled in ERD design, API optimization, and microservices architecture. Experienced in Docker, Git, and CI/CD pipelines. Adept at using Zod for schema validation and implementing secure authentication (JWT, Firebase). Known for delivering clean, efficient, and scalable code while collaborating effectively in cross-functional teams.

Technical Skills

- **Languages:** JavaScript, TypeScript
- **Frameworks & Libraries:** Node.js, Express.js, Nest.js, Hono.js, Mongoose, Sequelize, Zod
- **Databases:** MongoDB (Mongoose), PostgreSQL, MySQL (Familiar with Drizzle ORM)
- **API & Validation:** RESTful API Design, Zod Schema Validation, Swagger (OpenAPI), Postman Collections
- **Tools & Platforms:** Git, Bitbucket, Jira, Docker, CI/CD (GitHub Actions), AWS (basics)
- **Authentication & Security:** JWT, Firebase Auth, Better Auth
- **Paradigms:** Object-Oriented Programming (OOP), Functional Programming (FP)

Professional Experience

Backend Developer

Broadstairs IT Solutions, Pune — January 2024 – Present

- Designed and implemented RESTful APIs using Node.js, Express.js, Nest.js, and Hono.js.
- Integrated secure authentication with JWT, Firebase Auth, and Better Auth.
- Designed ERDs and backend workflows for scalable system architecture.
- Optimized MongoDB queries, improving API response time by up to 25%.
- Worked with Docker for containerization and deployment of microservices.
- Created and maintained Postman collections for API testing and integration.
- Participated in code reviews, Agile sprints, and collaborative planning.
- Performed unit testing with Jest, increasing code coverage and reliability.

Projects

Community Collaborative Application

An app for community members to receive announcements, event updates, and prayer timings.

- Built REST APIs for member enrollment, announcements, and dynamic prayer time updates.
- Implemented JWT-based authentication and role-based access control.
- Designed MongoDB schemas and ERDs for performance and scalability.
- Used Hono.js with TypeScript for a modular, maintainable architecture.
- Documented APIs using Swagger and Postman Collections.

Tech Stack: Node.js, TypeScript, MongoDB, JWT, Hono.js, Jest

Coaching Management Portal

A platform for coaching centers to manage students, courses, attendance, and communication.

- Developed APIs for user registration, courses, scheduling, and reporting modules.
- Optimized MongoDB queries for faster dashboard rendering.
- Implemented API documentation and validation with Postman & Zod.

Tech Stack: JavaScript, Node.js, MongoDB, Postman

Education

B.Voc in Software Development

Arvind Gavali College of Engineering, Satara – 2025

Higher Secondary Certificate (HSC)

Rahmaniya Junior College, Achalpur – 2020