Mazen Mokhtar
Backend Developer

Email: mazenmokhtar.iq@gmail.com | Phone: (+20) 1010666002 | Portfolio | Cairo, Egypt |

LinkedIn | GitHub

PROFILE

Backend Developer with hands-on experience in building scalable and secure backend systems using Node.js, Express.js, NestJS, and MongoDB. Proficient in designing RESTful and GraphQL APIs, and developing real-time applications with WebSocket

and Socket.IO. Skilled in containerization with Docker, deploying backend services, and managing both SQL and NoSQL databases using Mongoose and Sequelize.

Strong background in JavaScript (ES6+) and TypeScript, with expertise in error handling, input validation, clean architecture, and API security. Built and deployed multiple full-stack platforms including social networks, messaging apps, job portals, and e-commerce systems.

In most projects, also implemented frontend interfaces using React (Next.js) with AI-assisted tools to enable seamless testing and integration with backend APIs. Focused on building maintainable, high-performance solutions following industry best practices.

PROFESSIONAL EXPERIENCE

Backend Developer (Personal Project) – Saraha Messaging Platform   Jan 2023 – Apr 2023

Developed a real-time anonymous messaging platform with secure media sharing and SEO-friendly interface.

- Built the backend from scratch and used AI-assisted tools to implement a Next.js frontend fully integrated with backend APIs.

Technical Skills: Node.js, MongoDB, JWT, Cloudinary, Next.js, REST APIs.

Backend Developer (Contract) – Social Gaming Platform   May 2023 – Oct 2023

Developed a real-time social gaming platform with interactive chat and multiplayer features, supporting over 10,000 daily users.

- Built scalable backend services with Node.js and MongoDB, integrated real-time communication using Socket.IO, and implemented a responsive frontend for seamless cross-device access.

Technical Skills: Node.js, MongoDB, Socket.IO, Next.js, REST APIs.

Backend Developer (Contract) – WhatsApp Clone   Nov 2023 – Jan 2024

Developed a real-time messaging application with group chats and secure media sharing.

- Built low-latency backend services using Node.js and Socket.IO, and optimized REST APIs with MongoDB and Cloudinary to improve data retrieval speed by 15%.

Technical Skills: Node.js, MongoDB, Socket.IO, Cloudinary, JavaScript, CSS.

Backend Developer (Contract) – LinkedIn-like Job Portal   Feb 2024 – May 2024

Developed a job portal platform with user profiles and real-time recruiter messaging.

- Built a scalable backend using GraphQL and MongoDB, implemented authentication and notifications, and deployed services via Docker. Applied unit testing to optimize API performance and reduce response times by 25%.

Technical Skills: Node.js, MongoDB, GraphQL, JWT, Socket.IO, Docker.

Backend Developer (Contract) – E-Commerce Platform (Amazon/Noon Clone)   Jun 2024 – Sep 2024

Developed a full-featured e-commerce platform with product browsing, media handling, and secure checkout.
Built the backend using NestJS with REST and GraphQL APIs, improving order processing by 20%. Implemented role-based access control and integrated Cloudinary for product media uploads. Deployed services using Docker for scalable production deployment.

Technical Skills: NestJS, MongoDB, GraphQL, REST APIs, Cloudinary, Docker.

Backend Developer (Personal Project) – Scalable E-Commerce API Platform   Oct 2024 – Jan2025

Built a production-ready e-commerce backend using NestJS and TypeScript with JWT authentication, cart and product management, and Stripe-based order processing.

Implemented RBAC, Cloudinary uploads, event-driven emails, and admin analytics, following modular architecture with tested, maintainable code.

Technical Skills: NestJS, TypeScript, MongoDB, REST APIs, JWT, Stripe, Cloudinary, Nodemailer, Multer, RBAC, Event-driven Architecture, Jest

Backend Developer (Personal Project) – Website Marketplace API   Feb 2025 – Apr 2025

Developed a marketplace backend API for buying and selling websites, with secure authentication, role-based access, and integrated Stripe payment processing.

Implemented modular architecture with RESTful APIs, Cloudinary media handling, and event-driven workflows for sales and email notifications.

Technical Skills: NestJS, TypeScript, MongoDB, Mongoose, REST APIs, JWT, Stripe, Cloudinary, Nodemailer, Multer, RBAC, Event-driven Architecture, Jest, DTO Pattern, Repository Pattern

Backend Developer (Personal Project) – Subscription Management Platform   May 2025 – Present

Built a subscription management backend using NestJS, MongoDB, and TypeScript with JWT and Google OAuth authentication, automated email notifications, and payment tracking.

Implemented RBAC, Cloudinary media uploads, scheduled cron jobs, and an event-driven architecture to manage user subscriptions and send timely alerts.

Technical Skills: NestJS, TypeScript, MongoDB, Mongoose, REST APIs, JWT, Google OAuth, Cloudinary, Nodemailer, Cron Jobs, RBAC, Event-driven Architecture, Jest, Swagger

Certifications

Diploma in Backend Development (Node.js Track)

Route Academy – Issued April 2025

Technologies: Node.js, NestJS, Mongoose

EDUCATION   2024 – 2027

Bachelor's Degree in Computer Science
Arab Open University (AOU) – Cairo, Egypt
GPA: 3.01 | **Expected Graduation:** 2027
Currently in second year, building strong foundations in algorithms, data structures, and software engineering principles.

SKILLS

Languages & Runtime:
JavaScript (ES6+), TypeScript, Node.js
Frameworks & Libraries:
Express.js, NestJS, Mongoose, Sequelize, GraphQL, WebSocket, JWT, Swagger, class-validator, class-transformer, Multer, Nodemailer, Stripe
Databases:
MongoDB, Mongoose
APIs & Tools:
RESTful APIs, Postman, Git, GitHub, Docker, Cloudinary, Google Services Integration, Event Emitters
DevOps & Deployment:
CI/CD (Basics), Docker, Deployment (Railway, etc.
Software Engineering:
Scalable Architecture Design, API Security, Error Handling, Input Validation, Debugging, Clean Code, Maintainability, Problem Solving
Testing & Code Quality:
Jest, Supertest, ESLint, Prettier