

Abdelrahman Osama

Software Engineer

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PROFESSIONAL SUMMARY

Backend Software Engineer with 4+ years of professional experience building and maintaining scalable SaaS and backend applications using Node.js, TypeScript/JavaScript, Express.js and MongoDB. Experienced in RESTful API development, microservices, backend troubleshooting, performance optimization, event-driven systems and cloud-based applications using AWS. Strong background in production systems, legacy-system refactoring, reliability improvements and cross-functional Agile development.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Python

Backend: Node.js, Express.js, NestJS, Spring Boot, Strapi

Databases: MongoDB, Mongoose, MySQL, Sequelize

Frontend: Angular, HTML, CSS/SCSS, Bootstrap

API & Backend Engineering: RESTful APIs, Authentication & Authorization, Performance Optimization, Code Refactoring

Architecture: Microservices, Event-Driven Architecture, SOLID Principles, Design Patterns

Cloud & DevOps: AWS Lambda, EC2, S3, CloudWatch, Fargate, SQS, Jenkins, Linux

Testing: Unit Testing, Integration Testing

Tools & Practices: Git, GitHub, GitLab, Jira, Agile

PROFESSIONAL EXPERIENCE

Make It Simple

Aug 2022 – present | UK - Remote

Software Engineer — Backend / Full Stack

- Designed, developed, and maintained 50+ RESTful APIs using Node.js, Express.js, MongoDB, and Mongoose for core workflows across a production SaaS platform.
- Diagnosed and resolved recurring **backend performance and timeout issues** caused by processes retrieving excessively large datasets from MongoDB.
- Redesigned data-retrieval and processing flows to avoid unnecessary full-dataset loading, improving **API responsiveness, scalability, and application stability** while reducing timeout-prone and crash-prone workflows.
- Refactored numerous legacy APIs and backend modules to improve **performance, maintainability, reusability, and code quality**.
- Investigated and resolved complex production issues across backend services, APIs, database operations, and application workflows.
- Delivered end-to-end features across backend services and Angular-based frontend applications, collaborating with QA and other engineering teams through development, testing, and production delivery.

- Contributed to the ongoing modernization of legacy application components while maintaining compatibility with existing production workflows.

Blue Holding

Sep 2021 – Aug 2022 | Alexandria, Egypt

Backend Developer

- **Eventeck:** Developed backend functionality for **Eventeck**, a multi-portal event platform supporting attendees, organizers and exhibitors; integrated payment and live-streaming services.
- **TCP-Jeddah:** Developed the backend for a platform to help individuals quit smoking by facilitating finding specialized clinics and doctors and booking appointments.
- **Pfizer Flip:** Built Node.js backend functionality and real-time communication for an interactive application using **Socket.io**.
- **Additional Projects:** IT support ticket system and HR system.

EDUCATION

Diploma in MEARN Stack

Apr 2021 – Jul 2021 | Minufiya

Information Technology Institute (ITI)

Bachelor in Computer Science

Sep 2016 – Aug 2020 | Minufiya University, Egypt

Faculty of Computers and Information