Omar Hassan

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Profile / Summary

Results-driven **Backend Developer** with 3+ years of experience in designing, developing, and deploying secure and scalable server-side applications. Skilled in building RESTful APIs, optimizing databases, and integrating cloud solutions. Passionate about performance, clean architecture, and automation.

Technical Skills

- **Backend Languages:** Python, Java, Node.js, PHP

- **Frameworks:** Django, Spring Boot, Express.js, FastAPI

- **Databases:** MySQL, PostgreSQL, MongoDB, Redis

- **APIs & Services:** REST, GraphQL, gRPC

- **Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, Kubernetes, Nginx

- **CI/CD Tools:** GitHub Actions, Jenkins

- **Other:** Microservices, Authentication (JWT, OAuth2), Caching, Linux

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Experience

Backend Developer
NextTech Solutions – Cairo, Egypt | *Feb 2023 – Present*

- Developed and maintained RESTful APIs with Django and PostgreSQL for a SaaS product serving 10,000+ users.

- Integrated Redis caching, reducing server response time by 35%.

- Implemented JWT-based authentication and role-based access control.

- Collaborated with frontend developers to deliver full-stack features.

Backend Engineer Intern

CloudServe Technologies – Cairo, Egypt | *Jun 2022 – Jan 2023*

- Assisted in migrating monolithic applications into microservices using Spring Boot.

- Built API endpoints for an internal HR system with Node.js and Express.

- Deployed services on AWS EC2 and automated workflows with GitHub Actions.

Freelance Backend Developer

Remote | *Jan 2021 – May 2022*

- Developed custom APIs for small e-commerce and booking platforms.

- Designed normalized database schemas in MySQL and MongoDB.

- Deployed backend applications using Docker and Nginx.

Education

Bachelor of Computer Science

Ain Shams University – Cairo, Egypt | *Sep 2018 – Jul 2022*

- GPA: 3.5 / 4.0

- Courses: Databases, Operating Systems, Software Architecture, Computer Networks.

Projects

- **E-Learning Platform (Django & React):** Built backend services for courses, payments, and authentication.

- **Hotel Booking API (Spring Boot):** Created a booking system with PostgreSQL, Redis caching, and JWT auth.

- **Chat Application (Node.js & Socket.io):** Real-time messaging app with MongoDB and WebSockets.

- **Task Manager API (FastAPI):** RESTful API with CRUD operations, role-based access, and Docker deployment.

Certifications

- Backend Development with Node.js – Udemy (2023)

- AWS Certified Cloud Practitioner – Amazon (2022)

- Python for Everybody – Coursera (2021)

Languages

- English – Fluent

- Arabic – Native