

Hazem Ragab Mohammed

Backend Software Engineer

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Professional Summary

Backend Software Engineer with production experience across Node.js/TypeScript and .NET, building real-time services, APIs, distributed systems, and enterprise software. Experience spans production backend engineering at Intella, enterprise development at DP World, and end-to-end freelance delivery.

Work Experience

Intella | Backend Engineer

Apr 2026 - Present

Cairo, Egypt | Hybrid

- Build and operate Node.js/TypeScript services for real-time communication workflows, including WebSocket-based integrations with external platforms.
- Moved shared session state and coordination to Redis to support multi-instance scaling and consistent behavior across service instances.
- Implemented Prometheus and Grafana observability for service health, concurrency, and runtime performance.
- Worked on authentication and session-security flows across service boundaries, improving credential handling and service-to-service behavior.

DP World | Software Engineer

Jun 2025 - Apr 2026

Suez, Egypt | Hybrid

- Built and maintained enterprise .NET Core/Angular applications and background services supporting internal operational workflows.
- Modernized legacy .NET/Angular code, delivered new features, and resolved production issues across business-critical internal systems.

Freelance | Software Engineer

Mar 2023 - May 2025

Remote

- Built production backends with Flask, .NET Core, Laravel, PostgreSQL/PostGIS, and Redis, including geospatial search, caching, payments, logistics, and external API integrations.
- Owned freelance projects from requirements through deployment, delivering real-time, social, and commerce features with SignalR/Agora, OTP, maps, and OAuth.

Education

B.Sc. Computer Science | Suez University | 2023

Ranked 1st in class, GPA 3.91/4.0

Web Development Intensive | Information Technology Institute (ITI) | 2021

.NET track

Technical Skills

Backend

TypeScript, Node.js, C#, .NET Core, Python, Flask, REST APIs, WebSockets

Data & Infrastructure

PostgreSQL, Microsoft SQL Server, Redis, PostGIS, Docker, Kubernetes, Linux, Azure, Prometheus, Grafana, Git, GitHub Actions, Continuous Integration/Continuous Delivery (CI/CD)

Engineering

Distributed systems, concurrency, observability, system design, API design, authentication & authorization, application security, performance debugging, unit testing