

# Mohammed Ahmed Mahmoud | Backend Software Engineer

Cairo, Egypt

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## Professional Summary

Backend Software Engineer specializing in ASP.NET Core and SQL Server, with hands-on experience building scalable, modular, and high-performance systems. Strong problem solver with a solid foundation in clean architecture, optimization, and system design. Proven ability to deliver reliable backend solutions that improve performance, reduce latency, and meet real business needs.

## Technical Skills

**Backend:** C#, ASP.NET Core, Entity Framework, Dapper, ADO.NET, REST APIs, Microservices

**Database:** SQL Server, LINQ, Query Optimization, Caching, Stored Procedures

**DevOps & Tools:** Git, Docker, Azure, Azure DevOps, Postman, RabbitMQ

**Concepts:** OOP, SOLID, Clean Architecture, Multithreading, Unit Testing, DSA

**Realtime & Auth:** SignalR, JWT, OAuth, FCM

## Professional Experience

### Thought Craft

#### Backend Developer

Cairo, Egypt

Aug 2025 – Present

- Developed and maintained backend modules within a modular monolithic architecture.
- Optimized critical sections, improving execution time by **85%**.
- Delivered features using ASP.NET Core, EF Core, and SQL Server with clean architecture.
- Participated in architecture decisions to improve scalability and reusability.
- Collaborated in Agile teams to ship high-impact features quickly and reliably.

### Online Gym Platform

#### Backend Developer (Freelance)

Remote

Jun 2024 – Dec 2024

- Built a scalable RESTful backend using ASP.NET Core 8 and SQL Server.
- Integrated PayPal payments and Vimeo video hosting.
- Implemented user progress tracking and automated certificate generation.
- Delivered features directly to stakeholders with full technical ownership.

## Projects

### Minia University

#### IT Department Management System (Academic Project / Internship)

Jan 2025 – Jun 2025

- Built student, staff, and course management modules using ASP.NET Core + EF Core.
- Designed a resource scheduling algorithm improving allocation efficiency by **30%**.
- Implemented SignalR realtime updates, reducing latency by **90%**.
- Added offline support with automatic recovery for unstable connections.

## Education

### Minia University

#### Bachelor of Computer Science

Minia, Egypt

Oct 2021 – Jun 2025

## Languages

Arabic (Native), English (Proficient)