

Mazen Gad

Full Stack (.NET) Developer — Backend Specialist

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Professional Summary

Software Engineer with 2+ years of hands-on experience in **.NET Backend Development**, high-throughput third-party supplier integrations, and scalable Enterprise Microservices. Demonstrated capability in building resilient APIs, optimizing database and distributed Redis caching systems, and applying Clean Architecture and Event-Driven patterns (gRPC) to deliver clean, production-ready software solutions.

Technical Skills

- **Backend Technologies:** .NET Core, ASP.NET Core Web API, C#, Entity Framework Core, gRPC, Microservices, Clean Architecture, CQRS, SOLID Principles, Design Patterns, REST/SOAP APIs.
- **Databases & Caching:** Microsoft SQL Server (MSSQL), MySQL, Redis Caching.
- **Web & Security:** OAuth, JWT Authentication, System Localization, Event-Driven Architecture, Git, Docker.
- **Frontend Technologies:** React.js, Next.js, JavaScript, TypeScript, HTML5, CSS3, Bootstrap, AJAX.

Professional Experience

Code Craft	Cairo, Egypt
<i>Software Engineer – .NET Backend</i>	<i>01/2026 – Present</i>
• Architected and built the backend core from scratch for G7 – an extensible Enterprise Microservices ecosystem designed to support a growing suite of domain modules (including Sales, CRM, Chat, User Management, and Document Drive). • Designed an open-ended architecture and foundational service blueprints to seamlessly integrate future enterprise modules without system refactoring. • Engineered high-performance inter-service communication from the ground up using gRPC and Event-Driven mechanisms for low-latency, real-time data synchronization. • Applied Clean Architecture, CQRS, and Domain-Driven Design (DDD) principles to strictly decouple modules and optimize database access workflows. • Delivered end-to-end integration between Sales and CRM modules, automating complex lead-to-opportunity pipeline workflows.	
Sheen Information Technology	Cairo, Egypt
<i>.NET Integration Developer</i>	<i>07/2025 – 01/2026</i>
• Developed and maintained core flight aggregation layers (ndceg.com), building high-speed REST/SOAP integrations with GDS (Amadeus) and major LCC/IATA/Navitaire airlines. • Refactored integration pipelines to streamline payload transformations and significantly reduce latency. • Overhauled caching infrastructure by implementing distributed Redis Caching, decreasing MySQL database workload and drastically improving API response times. • Implemented MessagePack binary serialization for heavy payload transmissions to optimize bandwidth usage. • Led English-language technical alignment meetings with external vendors and provided live production support.	
ZTechnium	Cairo, Egypt
<i>.NET Developer (Part-Time)</i>	<i>03/2025 – 07/2025</i>
• Built custom CMS dashboards using Umbraco (.NET) integrated with frontend platforms to support business digitalization goals. • Optimized content delivery workflows and queries for rapid page loading and smooth updates.	

Key Projects

Global Syria Talents Platform

globalsyriatalents.online

- Engineered a custom talent discovery and showcase platform utilizing .NET Core Web API, featuring secure user management, portfolio submission, and optimized backend query performance.

Ween Restaurant System

weenrestaurant.shop

- Developed the backend architecture for a full-featured digital restaurant and menu management platform with .NET Core, providing dynamic food ordering workflows and fast data delivery.

Qmm Academy

qmm.academy

- Engineered a scalable .NET Web API applying Clean Architecture, CQRS, EF Core, and MediatR. Integrated secure video streaming, JWT authorization, and OpenAPI client generation for React frontend.

Dalil Madintak

[Google Play Store](#)

- Implemented CQRS pattern to decouple system components, allowing seamless onboarding of 3+ major features. Migrated and overhauled the admin content moderation dashboard.

ONP Platform

Educational & Recruitment System

- Developed a full-fledged educational/job backend using .NET Core API, SQL Server, and Cloudinary media processing. Features multi-role dashboards (Admin, Student, Teacher) with advanced sorting and filtering.

Education

Bachelor of Computers and Information

09/2019 – 06/2023

Damietta University, Egypt

Ranked 8th in Class

- Graduation Project (Gallery in Home):** E-commerce WebAR application for 3D furniture placement built with React.js, Three.js, and .NET Core Backend.

Languages

English: Full Professional Proficiency

Arabic: Native / Bilingual