

Omar Mohamed Diab

Software Engineer

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PROFILE

Experienced .NET Developer with expertise in Asp.Net , C#, and Microsoft SQL Server, focused on delivering high-performance and scalable solutions. Proven leadership in managing and guiding development teams through challenging projects, with a strong commitment to continuous learning and professional growth. Skilled in problem solving, debugging, and optimizing code. Passionate about utilizing best practices to overcome challenges and deliver measurable results. View my projects on GitHub.

PROFESSIONAL EXPERIENCE

Mid-Level .NET Developer

04/2025 – present | Maadi, Egypt

Aman Holding

- Developing and maintaining scalable .NET applications to support business needs.
- Collaborating with cross-functional teams to integrate payment solutions and other financial services.
- Enhancing system performance by optimizing SQL queries and backend logic.
- Implementing secure authentication and authorization mechanisms.
- Working with messaging systems (e.g., RabbitMQ) to improve system reliability and scalability.
- Contributing to microservices architecture and API development for seamless integrations.

.NET Developer

05/2024 – 03/2025 | El-Dokki, Giza, Egypt

Premium Card

- **Acceptance Project:** Spearheaded the integration project with external companies, enabling seamless transactions and installment services, including purchase and reverse operations, both online and via POS. Collaborated with major partners such as Jumia, Paymob, Fawry, and Geidea to ensure secure and efficient payment processing.
- **Portal Project:** Developed and maintained a web portal that serves as the interface for partner companies to access and manage transactions. Implemented robust authentication and authorization mechanisms to ensure secure access and data integrity.
- Enhanced database performance by optimizing functions and stored procedures in Microsoft SQL Server, which led to a measurable increase in system efficiency.
- Integrated RabbitMQ into the company's infrastructure, developing a message queue-based request handler to manage failed requests and ensure efficient processing of high volumes of incoming requests, improving system reliability and scalability

Internship as Back-End Developer

09/2023 – 11/2023 | Cairo, Egypt

Link TSP

Assisted in building scalable back-end APIs using .NET Core and SQL Server for data processing and integration.

EDUCATION

ITI Diploma in Full Stack .NET and Angular Development

11/2023 – 03/2024 | Menoufia, Egypt

ITI

Bachelor of Engineering in Biomedical Engineering

09/2015 – 06/2020 | Menofia, Egypt

Menofia University

SKILLS

Programming Languages & Frameworks: C#, TypeScript, VB .NET Core (5, 6, 7, 8), Entity Framework Core, SignalR, AutoMapper, Blazor, MVC Angular, HTML, CSS, Bootstrap.

Testing & Tools: N-Unit, RabbitMQ, Serilog.

Database & ORM: Microsoft SQL Server, ADO, Dapper.

Architectural Patterns & Concepts: CQRS, Onion Architecture, Clean Architecture, Repository Pattern, OOP (Object-Oriented Programming), LINQ, SOLID Principles, Clean Code Practices, Design Pattern.

DevOps & Version Control: Git, Azure DevOps.

Soft Skills: Communication, Leadership, Problem Solving, Adaptability, Teamwork.

PROJECTS

Portal Premium Card Associated with premium card

A secure portal for integrating and displaying external company transactions.

- ◆ **Tech Stack:** .NET Core, Blazor, Entity Framework, SQL Server, Onion Architecture
- ◆ **Security:** JWT, Identity, Role-Based Access Control, Password Hashing
- ◆ **Features:** Secure transaction management, authentication, and a responsive Blazor UI

Ensuring **security, scalability, and efficiency** for premium card transactions.

HR System

Description: Streamlined employee management processes, including payroll, attendance tracking, and recruitment.

Technologies: .NET Core, Entity Framework Core, Angular, SQL Server.