

Maged Tarek

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PROFESSIONAL SUMMARY

Results-driven **.NET Core Backend Developer** with hands-on experience designing and deploying scalable web applications using **ASP.NET Core**, **C#**, and **SQL Server**. Skilled in **RESTful API development**, **Entity Framework Core**, and **microservices architecture**. Adept at applying **SOLID principles**, **Clean Architecture**, and **Design Patterns**. Passionate about writing efficient, maintainable code, integrating **CI/CD pipelines**, and leveraging **Azure cloud services** to build secure and reliable enterprise-grade systems.

PROFESSIONAL EXPERIENCE

Advac Systems Ltd.

Jul 2025 – Present

.NET Backend Developer

Cairo, Egypt

- Developed and maintained ERP systems using **ASP.NET Core MVC** and **Entity Framework Core**.
- Redesigned SQL Server data models to enhance query performance and improve data consistency.
- Implemented **RESTful APIs** with **JWT-based authentication** for secure data exchange.
- Collaborated with cross-functional teams in Agile sprints, integrating DevOps workflows with **GitHub Actions**.

Information Technology Institute (ITI)

Jan 2025 – May 2025

Full Stack Web Development – Microsoft .NET Track

Cairo, Egypt

- Completed a 4-month intensive training program focused on **.NET technologies**, cloud deployment, and full-stack architecture.
- Built enterprise web applications using **ASP.NET Core**, **Angular**, and **SQL Server**.
- Applied **SOLID**, **Repository Pattern**, and **Dependency Injection** to enhance scalability and maintainability.
- Integrated testing frameworks and CI/CD tools for automated build and deployment pipelines.

PROJECTS

E-Commerce Microservices — ASP.NET Core, EF Core, SQL Server, Ocelot, JWT, Docker

- Developed a microservices-based e-commerce system supporting modular and scalable architecture.
- Configured an **API Gateway (Ocelot)** for request routing, rate limiting, and load balancing.
- Integrated **Docker** for containerized deployment and efficient microservice delivery.
- Implemented role-based authentication using **JWT Tokens** to secure APIs.

Finance Management System — ASP.NET Core Web API, EF Core, Repository Pattern, CI/CD

- Designed modular API architecture applying **Repository & Unit of Work** patterns for data abstraction.
- Deployed continuous integration pipelines through **GitHub Actions** for testing and delivery automation.
- Secured data with **JWT-based authentication** and **role-based access control**.
- Applied EF Core optimizations and caching mechanisms for smoother data operations.

Art School Data System — Python, Pandas, NumPy, Streamlit, SQL

- Developed a data-driven dashboard for managing art school records with real-time visualization.
- Optimized data handling with Pandas and NumPy for structured data processing.
- Implemented a user-friendly Streamlit interface for record navigation and filtering.

TECHNICAL SKILLS

- **Backend:** ASP.NET Core MVC, Web API, EF Core, LINQ, RESTful APIs, Microservices, Clean Architecture
- **Database:** SQL Server, PostgreSQL, Database Design, Query Optimization
- **Cloud/DevOps:** Azure, Docker, GitHub Actions, CI/CD Pipelines, Postman
- **Frontend:** JavaScript, jQuery, AJAX, HTML5, CSS3, Bootstrap
- **Languages:** C#, C++, Python, JavaScript
- **Concepts:** SOLID Principles, Design Patterns, OOP, Data Structures & Algorithms, Agile/Scrum
- **Tools:** Visual Studio, VS Code, Git, GitHub, Azure DevOps

EDUCATION

Tanta University

Jul 2020 – Jul 2024

Bachelor of Science in Computer Science

Tanta, Egypt

- Graduated with a strong foundation in algorithms, data structures, and software engineering.
- Capstone Project: Developed a full-stack financial system using .NET Core and EF Core.

CERTIFICATIONS

- **Microsoft Certified: Azure Fundamentals (AZ-900)** – Microsoft (2025)
- **C# Advanced and ASP.NET Core Web API Development** – ITI Egypt (2025)
- **Git & GitHub Masterclass for Developers** – Coursera (2024)

LANGUAGES

- **English:** Professional Working Proficiency
- **Arabic:** Native Speaker