

Fares Mohamed Elsayed

Backend .NET Developer · ASP.NET Core · Clean Architecture
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PROFESSIONAL SUMMARY

Backend .NET Developer and Computer Science student (GPA 3.1, graduated Jul 2026) with 1+ year of hands-on experience designing and deploying scalable, production-ready RESTful APIs using ASP.NET Core. Proficient in Clean Architecture, CQRS, EF Core, JWT authentication, Redis caching, Docker, and automated testing with xUnit. Passionate about clean code, SOLID principles, and performance optimization. Experienced in Agile/Scrum environments with real freelance project delivery.

PROFESSIONAL EXPERIENCE

Back-end Developer

Apr 2025 – Present

FODWA · Remote

- Develop and maintain RESTful APIs using ASP.NET Core Web API, ensuring high reliability and performance.
- Manage and optimize SQL Server databases, writing efficient queries and improving overall backend performance.
- Apply Clean Code principles and code review practices to maintain code quality and system stability.

Back-end Development Intern

Jun 2025 – Aug 2025

Link Development · Cairo

- Developed production-ready features in a .NET 8 application following Clean Architecture patterns.
- Optimized database queries and implemented Redis caching strategies, reducing response latency by 25%.
- Increased code reusability by 40% through Generic Repository and Specification Pattern implementation.
- Achieved 85% unit test coverage using xUnit, Moq, and FluentAssertions in an Agile/Scrum environment.

Back-end Development Trainee

Oct 2024 – May 2025

ROUTE · Cairo

- Mastered core .NET backend stack: C#, OOP, LINQ, EF Core, ASP.NET Core MVC, and RESTful API development.
- Built a multi-role university management system with Student and Admin dashboards with optimized queries.
- Collaborated in Agile team with regular code reviews, feedback sessions, and version control via Git.

Software Development Trainee – Digital Egypt Pioneers Initiative (DEPI)

Jun 2025 – Dec 2025

Ministry of Communications and Information Technology (MCIT) · Egypt

- Completed a government-sponsored Software Development track under DEPI, a national initiative by the Ministry of Communications and Information Technology to build job-ready technical talent.
- Won 2nd place out of all program tracks in the closing software development project competition, recognized at the Round 3 Graduation & Recognition Ceremony (Feb 2026). [\[Certificates\]](#)

Competitive Programmer

ICPC – International Collegiate Programming Contest

- Participated in ICPC, a global competitive programming contest, strengthening algorithmic problem-solving and data structures skills.

PROJECTS

Intelligent Employment System (IES) – Graduation Project [\[GitHub\]](#) [\[Live Demo\]](#) [\[Demo Video\]](#)

Tech Stack: ASP.NET Core, Clean Architecture, Angular 17, EF Core, SQL Server, Python (FastAPI), JWT

- Led backend development within a 7-member team to build an AI-powered recruitment platform using ASP.NET Core with Clean Architecture.
- Integrated a Python FastAPI microservice for AI-driven resume scoring and interview evaluation with the core .NET backend.
- Designed RESTful APIs and the data layer with EF Core and SQL Server, secured with JWT-based authentication.

Fares Store API – E-Commerce Backend System [\[GitHub\]](#) [\[Swagger UI\]](#)

Tech Stack: .NET 10, ASP.NET Core Web API, EF Core, Redis, JWT, Clean Architecture, Stripe, AutoMapper

- Designed and built a scalable, production-deployed RESTful API for a full e-commerce platform applying Clean Architecture and SOLID principles.
- Implemented JWT-based authentication, product catalog with dynamic filtering & pagination, and order/payment processing via Stripe.
- Integrated Redis for shopping basket management and response caching, reducing API latency by 25%.
- Deployed on runasp.net with fully documented endpoints via Swagger UI and global exception-handling middleware.

Articles Management API [GitHub] [Swagger UI]

Tech Stack: .NET 10, ASP.NET Core Web API, EF Core, SQL Server, JWT, AutoMapper, AWS S3, xUnit, Docker

- Designed a scalable RESTful API (Clean Architecture/N-Tier) for articles and newspaper data with pagination, tag filtering, and dynamic search.
- Integrated JWT authentication, CORS, global exception handling, and reduced external data dependency by 50% via AWS S3 fallback.
- Achieved 100% unit test pass rate; containerized with Docker and deployed to ASPMonster (IIS) via Visual Studio Web Deploy.

Travel Booking System [GitHub] [Live Demo]

Tech Stack: ASP.NET Core (.NET 10), MVC, EF Core, SQL Server, ASP.NET Identity, xUnit, Repository Pattern, Bootstrap

- Delivered a full production-ready travel booking platform to a freelance client within 3 weeks.
- Engineered RBAC using ASP.NET Identity with account lockout policies and encrypted file uploads.
- Authored unit tests with xUnit and EF Core In-Memory database to validate complex booking business rules.

Company Management System (MVC) [GitHub] [Live Demo]

Tech Stack: ASP.NET Core MVC, EF Core, SQL Server, ASP.NET Identity, LINQ, HTML, CSS, C#

- Built a multi-role system (Admin/Manager/Staff) with ASP.NET Identity and secure department/employee management.
- Reduced controller complexity by 20% through strategic refactoring, improving maintainability and readability.

EDUCATION

Bachelor of Computer Science · New Cairo Academy

Oct 2022 – Jul 2026 (Graduated)

GPA: 3.1 · Computer Science

- Led a 5-person team on a university software project, resolving technical conflicts to achieve a 100% grade.
- Served as Vice Team Leader across multiple group projects, contributing to architecture design and code reviews.

TECHNICAL SKILLS

Languages	C#, JavaScript, Python, C++
Frameworks	ASP.NET Core Web API, ASP.NET Core MVC, EF Core, LINQ, AutoMapper, SignalR, xUnit
Architecture	Clean Architecture, Onion Architecture, N-Tier, CQRS, Repository, Unit of Work, Specification, SOLID
Auth & Security	ASP.NET Identity, JWT, Role-Based Access Control (RBAC), OAuth2
Databases	SQL Server, Redis (Caching), Elasticsearch
DevOps & Cloud	Docker, Docker Compose, AWS S3, Git, GitHub, CI/CD basics (Azure DevOps)
Testing	xUnit, Moq, FluentAssertions, EF Core In-Memory
Tools	Postman, Swagger UI, Visual Studio, VS Code
Soft Skills	Problem Solving, Team Collaboration, Agile/Scrum, Time Management

LANGUAGES

Arabic: Native | English: Good (Written & Spoken)