

Amr Mohamed Shawky

Full Stack Developer

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Summary

Full-Stack .NET & Angular Developer skilled in building scalable web systems with Clean Architecture, CQRS, EF Core, SQL, and Angular. Developed end-to-end platforms including e-commerce, exam systems, and event applications and FinTech System. Experienced in real projects and delivering clean, maintainable code. Active technical content creator teaching .NET best practices.

Education

Student at Faculty of Computer Science, Benha University 2022 – Present

Experience

Backend .NET Developer (Bootcamp), Elevate Tech	August 2025 – present
Frontend (Angular) Web Developer, ROUTE	March 2025 – Sept 2025
Software Engineer, Comec Company	July 2022 - October 2022
• Interacted with external clients and managed data backups.	
• Developed Crystal Reports to improve data accessibility and reporting efficiency.	
• Worked with Microsoft SQL Server, including writing complex SQL queries, designing database tables, and optimizing data structure for performance.	

Internship

MEAN Stack Developer, National Telecommunication Institute	June 2025 – Sept 2025
Full Stack .NET Web Developer, DIGITAL EGYPT PIONEERS INITIATIVE (DEPI).	April 2024 – Nov 2024

Projects

1) Fitness Microservices : A scalable microservices system for fitness management, decoupling logic into Identity, Workout, and Plan services with asynchronous communication for high availability.

Using Tools: .NET Core, Web API, RabbitMQ, MassTransit, Ocelot API Gateway, Docker, SQL Server, CQRS, Vertical Slice Architecture, Jwt Authentication. (Teamwork)

2) TechZone : An e-commerce backend platform for laptops and tech accessories, featuring product & variant management, advanced filtering, cart and orders flow, reservations, secure payments, shipment tracking, customer reviews, and admin dashboard.

Using Tools: .NET Core, Web API, PostgreSQL, EF Core, LINQ, JWT, CQRS, Vertical Slicing, Clean Architecture (Teamwork)

3) Online Exam System : A backend platform for managing online exams with user authentication, question banks, categories, exam attempts, scoring, and admin analytics dashboard.

Using Tools: .NET Core, Web API, Entity Framework Core, LINQ, SQL, JWT, CQRS, Vertical Slicing (Teamwork)

4) **Event management System:** A platform for event organization and participation, featuring role-based user access, event discovery, ticket booking with QR check-in, payment integration, feedback system, and admin moderation.

Using Tools: .NET Core, API, Entity Framework Core, LINQ, SQL, JWT (Teamwork)

5) **Educational System:** A dynamic platform for managing courses, student enrollments, assessments, progress tracking, and payments, with user authentication and instructor collaboration.

Using Tools: .NET Core, API, Entity Framework Core, LINQ, SQL, JWT, Angular, Html, CSS, JavaScript, TypeScript, Tailwind CSS (Teamwork)

6) **FreshCart:** E-commerce web app for browsing products, managing cart, Wishlist, and orders

Includes secure checkout and responsive UI with smooth animations.

Using Tools: Angular, TypeScript, JavaScript, HTML, CSS, Tailwind CSS

Technical Skills

- **Backend & .NET:** .NET 8/Core, ASP.NET MVC, Web API, EF Core, ADO.NET, LINQ, Hangfire, SignalR.
- **Microservices & Architecture:** Microservices, Vertical Slice Architecture, CQRS, Clean Architecture, Ocelot (API Gateway).
- **Messaging:** RabbitMQ, MassTransit.
- **Frontend:** Angular, TypeScript, RxJS, Tailwind CSS, Bootstrap, HTML5, SCSS.
- **Databases:** SQL Server, PostgreSQL, Redis (Caching), MongoDB.
- **DevOps & Cloud:** Docker, CI/CD (GitHub Actions), Azure (App Service, SQL).
- **Testing & Quality:** xUnit, Moq, FluentAssertions, FluentValidation.
- **Tools:** Git, Postman, Swagger, Serilog, AutoMapper.
- **Methodologies:** Agile, Scrum

Additional Skills

- C, Java, jQuery, Crystal Reports, Razor, Ajax.

Soft Skills

- Leadership & Mentoring, Problem Solving & Critical Thinking, Effective Communication, Team Collaboration, Time Management

Languages

- **Arabic:** Native
- **English:** B2