Abdelrhman Haron Fathy

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Objective

Motivated Backend Developer specializing in .NET, C, MVC, Web API, and SQL Server with strong foundations in software engineering, algorithms, data structures, and system analysis. Passionate about building scalable, clean, and production-ready backend applications, and consistently improving architectural and design skills. Experienced in developing real-world systems, including financial platforms, APIs, and data-driven applications. Actively learning Advanced .NET, Clean Architecture, Design Patterns, and AI/ML applications in backend engineering.

EDUCATION

Helwan University Cairo, Egypt

B.Sc. Computer Science - Artificial Intelligence Oct. 2023 – Present

- CS major

PROJECTS

E-Commerce API / *Backend Developer*
- Built APIs for products, orders, users, authentication, and carts.
- Implemented EF Core migrations, DTOs, repository pattern, and robust error handling.
- https://github.com/abd3lr7man7aron182/E-Commerce.git

Gym Management System (ASP.NET MVC) / *Full Stack (Backend-Focused)*
- Implemented modules for members, subscriptions, trainers, schedules, and payments.
- Created MVC views, controllers, and a structured SQL Server backend.

Instant Money Transfer System (InstaPay-like App) / *Backend Developer (.NET, SQL Server)*
- Developed a complete financial workflow including account linking, transfers, transactions, and verification.
- Designed APIs based on real banking logic inspired by the Central Bank of Egypt.
- Implemented secure authentication, validation, and multi-bank handling.
- Built UML diagrams, DFDs, and full system architecture documentation.

COURSES

Backend Developer Intern (.NET)
Route Academy — Cairo, Egypt
May 2025 – Dec 2025
- Developed and maintained **RESTful APIs** using **ASP.NET Core** following clean coding practices
- Worked with **Entity Framework Core** for database modeling, migrations, and data access
- Implemented **authentication and authorization** mechanisms for secure backend services
- Applied **SOLID principles**, **design patterns**, and basic **Clean Architecture** concepts

SKILLS

Backend Development: .NET Framework, .NET Core, C#, ASP.NET MVC, ASP.NET Web API, Entity Framework Core, LINQ, RESTful API Design, Authentication & Authorization, Clean Architecture (learning), Design Patterns
Programming Languages: C#, C++, Python, JavaScript , Java
Databases: SQL Server, MongoDB, Firebase, Redis (Caching)

Tools & Platforms: Git, GitHub, Visual Studio, VS Code, Postman, Swagger, HTML, CSS, Bootstrap

LANGUAGES

Arabic (Native)

English (Fluent)