Eyad Mostafa

Software Engineer

⦿ Giza, Egypt ✉ eyadmostafa464@gmail.com 📞 (+20) 109-494-9537 in Eyad Mostafa

○ github.com/Eyad-Mostafa 🔗 Portfolio

Summary

Backend Developer with expertise in **C#, .NET, SQL, and RESTful APIs**. Passionate about designing and optimizing scalable backend solutions using **Entity Framework Core and SQL Server**. Experienced in developing **Web APIs, database management, and system architecture**. Looking for opportunities to build efficient and high-performance backend systems.

Education

Bachelor's degree in computer science, Faculty of science Ain Shams University

2022 – 2026 | Cairo, Egypt

Skills

Technical Skills:
- **Programming Languages:** C#, C++, Java
- **Databases:** SQL Server, SQLite
- **Frameworks & Tools:** .NET Core, Entity Framework Core, LINQ, Git, GitHub, REST APIs
- **Object-Oriented Design (OOD):** SOLID, KISS, DRY
- **Software Development:** OOP, CRUD, RESTful Services, API Development, DTOs, ORM
- **Problem-Solving:** Data Structures & Algorithms, Error Handling

Soft Skills:
- Team Collaboration, Communication, Time Management

Projects

Shifts Logger 🔗
Technologies: C#, .NET, EF Core, SQL Server, REST API
- Developed a **Web API** for tracking employee **shifts**, including **clock-in/clock-out** functionality.
- Used **EF Core (Code-First)** to manage **shift records** and enforce data integrity.
- Implemented **RESTful endpoints** to retrieve, update, and analyze shift data.

Exercise Tracker 🔗
Technologies: C#, .NET, EF Core, SQL Server, REST API
- Built a **REST API** to log and track **exercise sessions** with **duration, type, and intensity**.
- Used **EF Core with SQL Server** for **data persistence** and structured logging.
- Designed **API endpoints** to retrieve past workouts and generate fitness reports.

Phonebook App 🔗
Technologies: C#, Entity Framework Core, SQL Server, Code-First Approach
- Developed a **console-based contact management system** with **CRUD operations**.
- Integrated **Entity Framework Core** for database interaction.
- Implemented **email and phone number validation** for data integrity.

Drinks Info API 🔗
Technologies: C#, .NET, REST API, HTTP Requests
- Created a **restaurant system** to fetch drink data via an **external API**.
- Designed a **console UI** for employees to browse and search drinks.

Pathology Lab System 🔗
Technologies: Java, OOP, File I/O, GUI (Swing), UML, Git
- Developed a **GUI-based system** for managing **patient profiles & test data**.
- Applied **version control** with **Git** for team collaboration.