

Youssef Mohammad

Cairo, Egypt | +201101222194 | youssefmohammad000@gmail.com | www.linkedin.com/in/youssef-mohammad10 | github.com/MrBarbrawy

SUMMARY

Recent Business Information Systems graduate from Helwan University specializing in .NET development and back-end solutions. Experienced in solving complex problems and delivering efficient software applications through hands-on project experience. Proficiency in ASP.NET Core, C, Entity Framework, and SQL enables effective work across the Software Development Lifecycle from requirements analysis to deployment. Strong foundation in system design, database management, and secure user authentication systems, with proven ability to bridge business needs with robust technology-driven solutions through creative problem-solving and detail-oriented development practices.

TECHNICAL SKILLS

Programming Languages: C#, Python, SQL, C, ASP.NET

Frameworks: ASP.NET Core, Entity Framework (EF Core), ASP.NET MVC, ASP.NET Web API, SignalR

Libraries & Tools: LINQ, Git, GitHub, Docker, AutoMapper, Swagger/OpenAPI

Development Skills: User Authentication, Software Development Lifecycle (SDLC), Requirements Analysis, Performance Optimization

Version Control Systems: Git, GitHub, Source Control Management

Professional Skills: Problem-solving, Team Collaboration, Time Management, Communication, Leadership, Adaptability

PROJECTS

ILLVentApp - Comprehensive Healthcare Platform

Mar 2025 - Jun 2025

Full-Stack Healthcare Management System

C#, ASP.NET Core MVC, EF Core, SignalR, Clean Architecture

Developed comprehensive healthcare platform using ASP.NET Core 9.0 MVC with Clean Architecture, implementing JWT authentication and role-based authorization for 4 user types across 15+ medical facilities.

Built real-time emergency services system using SignalR Hub for live location tracking, automated hospital notifications, and ambulance dispatch coordination with geographic proximity algorithms.

Implemented secure medical history management with QR code generation, AES encryption, appointment booking system across 8+ specialties, and full e-commerce platform with Stripe payment integration for 50+ products.

Leveraged Entity Framework Core with SQL Server managing 12+ database tables, AutoMapper for object mapping, comprehensive API documentation with Swagger/OpenAPI, and advanced features including OTP verification and distributed locking.

Company Administration Service

Sep 2024 - Oct 2024

MVC Project

C#, ASP.NET MVC, EF Core, LINQ

Developed secure MVC application using ASP.NET Core and Entity Framework Core, implementing role-based access control with 3 roles: Admin (full CRUD on users/roles, view-only for employees/departments), Moderator (update-only for employees/departments), and HR (create/view/delete for employees/departments).

Utilized Generic Repository Pattern, SQL Server with 6+ database tables, LINQ for efficient data querying, and robust data validation ensuring data integrity. Demonstrates proficiency in back-end development, CRUD operations, and secure data management. GitHub: <https://github.com/MrBarbrawy/CompanyAdministrationMVC.git>

EDUCATION

Helwan University

B.S. in Business Information Systems

GPA: 3.99/4.0

Helwan, EG

Oct 2021 - Jun 2025

CERTIFICATIONS

• ASP.NET Certified Back-End Development - Route Academy