Youssef Mohammad

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PROFESSIONAL SUMMARY

Business Information Systems graduate specializing in .NET development and full-stack web applications. Proven experience developing scalable ASP.NET Core solutions with secure authentication systems, real-time communication features, and robust back-end services. Strong foundation in software development lifecycle, clean architecture principles, database design, and modern web technologies with hands-on experience in enterprise-level application development.

TECHNICAL SKILLS

Programming Languages: C#, SQL, JavaScript, Python, HTML5, CSS3, T-SQL
Frameworks & Technologies: ASP.NET Core, ASP.NET MVC, Entity Framework Core, Web API, SignalR, Bootstrap 5, jQuery
Development Tools: Visual Studio, Git, GitHub, Docker, Swagger/OpenAPI, AutoMapper, LINQ, Postman
Database & Cloud: SQL Server, Entity Framework, Database Design, Azure App Service, GitHub Actions, CI/CD
Architecture & Patterns: Clean Architecture, Repository Pattern, Dependency Injection, MVC Pattern, RESTful APIs
Security & Authentication: JWT Tokens, Role-Based Authorization, AES Encryption, Data Validation, OTP Verification

PROFESSIONAL EXPERIENCE

Full-Stack .NET Developer Intern   Dec 2024 - June 2025
Digital Egypt Pioneers Initiative (DEPI)   *Cairo, Egypt*
Developing enterprise-level web applications using ASP.NET Core MVC architecture and RESTful Web APIs

Implementing Entity Framework Core for data access layer with SQL Server database integration

Learning advanced concepts including dependency injection, middleware implementation, and authentication systems

Applying agile development methodologies and implementing CI/CD pipelines for automated testing and deployment

Collaborating on real-world projects with version control using Git and GitHub for source code management

PROJECTS

ILLVentApp - Comprehensive Healthcare Platform   Mar 2025 - Jun 2025
Full-Stack Healthcare Management System   *ASP.NET Core MVC, Entity Framework, 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

Professional Portfolio Website   Aug 2025
Full-Stack Web Application   *ASP.NET Core MVC, Bootstrap 5, JavaScript, Azure*
Developed responsive portfolio using ASP.NET Core MVC with modern design, custom animations, and interactive project galleries

Deployed to Azure App Service with automated CI/CD pipeline using GitHub Actions demonstrating full-stack development skills

Company Administration System   Sep 2024 - Oct 2024
Enterprise Web Application   *ASP.NET Core MVC, Entity Framework Core, SQL Server*
Developed secure enterprise MVC application using ASP.NET Core and Entity Framework Core implementing role-based access control with 3 distinct user roles and comprehensive permission management

Implemented Generic Repository Pattern with SQL Server database containing 6+ normalized tables, LINQ queries for efficient data retrieval, and robust data validation ensuring data integrity and security

Demonstrated proficiency in CRUD operations, secure data management, and enterprise application architecture with focus on maintainable and scalable code design

Utilized advanced features including user authentication, session management, and administrative dashboard for comprehensive system control

EDUCATION

Bachelor of Science in Business Information Systems   Oct 2021 - Jun 2025
Helwan University   *Cairo, Egypt*
GPA: 3.99/4.0

Relevant Coursework: Software Engineering, Database Management Systems, Web Development, System Analysis and Design

CERTIFICATIONS

ASP.NET Certified Back-End Development - Route Academy (2024)

Full-Stack .NET Development Program - Digital Egypt Pioneers Initiative (In Progress)