Youssef Mohamed Ali

SOFTWARE ENGINEER

CONTACT

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- https://github.com/JoeGitHubPro

EDUCATION

Bachelor of Computer Science
Suez Canal University
Ismailia
Expected Graduation | Jan 2025

SKILLS

- Back-End C#, C++, .NET Framework, .NET Core, ASP.NET MVC, Razor Pages, WPF, Windows Forms
- Front-End HTML, CSS
- Database & ORM SQL, Entity Framework (Code First, Database First), ADO.NET, LINQ
- Web Technologies RESTful APIs, JWT Authentication, JSON, XML, Multi-Tenancy, Web Sockets (Signal R)
- Version Control Git, GitHub
- Testing Unit Testing, Integration Testing
- Architecture Patterns: MVC, MVVM, N-tier, Clean Architecture, Domain-Driven Design (DDD)
- Design Patterns Singleton, Factory, Repository, Unit of Work, Chain of Responsibility
- Principles SOLID, DRY, KISS

CERTIFICATIONS

- .Net Web Development – ITI
- CS50x – edX (Harvard)
- Cloud Practitioner Essentials – AWS

ACTIVITIES

- 1st Place – Fifth Student Research Conference, Suez Canal University | May 2023
- 3rd Place – Sixth Student Research Conference, Faculty of Science | May 2023

LANGUAGES

Arabic: Native

English: Proficient

SUMMARY

Software Engineer with expertise in **back-end** development, specializing in building scalable and robust web applications using **.NET** technologies. Proficient in working with Restful APIs, authentication systems, and database management. Proven ability to enhance system performance through code optimization, with a strong focus on applying software architecture principles.

WORK EXPERIENCE

Backend Developer | CDMS (Custody Management System)
Suez Canal University | Jul 2024 - Aug 2024
- Developed a .NET Core 8.0 MVC application to manage custody items with multi-theme support, email notifications, and user management.
- Improved data retrieval efficiency by 25% through query optimization using Entity Framework.
- Integrated multi-tenancy architecture, reducing code redundancy by 40%.

Backend Developer | Daark Real Estate API
Freelance | Feb 2024 - May 2024
- Built a management system API using .NET Web API Core 7.0 for marketing teams, incorporating JWT-based authentication.
- Utilized the Entity Framework Core's Code-First approach to streamline database management.
- Implemented Auto Mapper for efficient handling of DTOs in API requests.

Developer | Cryptography Educational Project
Suez Canal University | Apr 2024 - May 2024
- Created a desktop application showcasing various cryptography algorithms, including Vigenère, Vernam, and Caesar.
- Enhanced usability through an intuitive UI and well-documented code.

Backend Developer | Task Management System
Freelance | Apr 2024 - May 2024
- Developed a .NET 8 MVC core app for student-teacher task management.
- Implemented role-based access control and JWT authentication to secure user sessions.

Backend Developer | E-Commerce API
Personal Project | Feb 2023 - Mar 2023
- Designed and implemented an e-commerce API using .NET Web API Core 7.0 with JWT-based authentication.
- Applied repository pattern and code-first Entity Framework to manage data persistence.
- Utilized Auto Mapper and DTOs to handle presentation-layer requests efficiently.

Backend Developer | Postgraduate Management System
Suez Canal University | Jan 2023 - Feb 2023
Developed an API to automate administrative tasks involved in managing postgraduate programs, improving overall system efficiency.