AHMED MOHAMED FATHY OSMAN

Software Engineer

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🔗 SWE-Ahmed-Osman

EDUCATION

B.Sc. in Computer Science
Assiut University

📅 Sep. 2018 – Jul. 2022   📍 Assiut, Egypt

.NET Developer Diploma
Information Technology Institute (ITI)

📅 Jun. 2021 – Aug. 2021   📍 Assiut, Egypt

EXPERIENCE

Software Engineer
Freelance

📅 Jul. 2022 – Present   📍 Assiut, Egypt

I work as a Freelancer during my Military service vacations to improve my skills and raise my experience. Integrated my educational knowledge with industry experience to start my journey in the software industry.

Mentor & Contestant
ICPC Assiut University Community

📅 2018 – 2022   📍 Assiut, Egypt

The main goal of this community is to improve the problem-solving skills of all students by participating in programming competitions.

Ambassador
Information Technology Institute (ITI)

📅 2021 – 2022   📍 Assiut, Egypt

A leading national institute in ICT human capacity-building was established with the Egyptian Ministry of Communications and Information Technology.
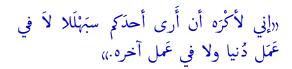
PROJECTS

Fathy.Common
Open-Source

📅 Oct. 2022 – Present

- An open-source project I made to facilitate developing the most common .NET services for developers and let them be free to customize it, with the best practices.
- Implemented Swagger definitions, Email sender, Authentication and JWT services, and Azure Blob Storage service.

SUMMARY

- With over 1 year of experience in Back-End Development and industry experience in building websites and web applications. Specialist in .NET Core Frameworks. Satisfactory background working with Angular, React, and Vue.js on multiple projects.
- Have powerful computer science knowledge and I am eager to learn more concepts and dive deep into computer science tracks. Good in Object-Oriented Programming, Data Structures, Algorithms, Database Systems, Design Patterns, and Problem-Solving skills. Practiced competitive programming a lot in college and enjoyed competing with my colleagues and mentors and participating in many programming competitions.
- Detailed-Oriented, responsible, committed engineer, with a get-it-done, on-time, and high-quality product spirit. Self-quick learner, self-motivated, and social.

MY LIFE PHILOSOPHY

«إني لَأَكْرَه أَن أَرى أَحدَكم سبَهْلَلا لاَ في عَمَل دُنيا ولا في عَمل آخره.»

CERTIFICATIONS

- 🏆 **ICPCID**
- 💗 **Database Fundamentals**
- 🏆 **Computer Network Fundamentals**
- 💗 **Cloud Computing Basics (Cloud 101)**
- 🏆 **Technical Support Fundamentals**
- 💗 **The Bits and Bytes of Computer Networking**
- 🏆 **Operating Systems: Becoming a Power User**
- 💗 **English for Career Development**

Mustafa Kamel Portfolio

Freelance

📅 Oct. 2022

- Learned more in this project about environment variables and dependency injection and used it professionally.
- I injected the Swagger service implemented its security definition for authentication and used it to test and document my API.
- Approached code first, used Entity Framework Core (ORM) for database migrations with SQL Server, and hosted my database on Azure SQL Database.
- I used LINQ for querying and data manipulation.
- Applied ASP.NET Core Identity with JSON Web Token for authentication and authorization. Accomplished complex mapping using Automapper.
- Deployed my app on Azure App Service. Interacted with files (videos, images, and PDFs) and stored them on Azure Blob Storage service.

Learning Lantern

Graduation Project

📅 Jan. 2022 – Jul. 2022

- An online educational environment, with integrated and easy-to-use cloud services and content-creating tools for leveraging the online education processes.
- Improved from my role as Project Team Leader my time management, communication, and presentation skills. Contributed to designing the database, then normalized it to be as optimized as possible.
- Built the Authentication service using the JWT Bearer using the MediatR pattern. Developed the app in the Monolithic architecture, then we upgraded it to the Microservices architecture. Implemented Ocelot API Gateway.
- Accomplished To Do, Text Lessons, and Video services. Tested our app with Unit Testing.
- Managed our database on Azure SQL Database and our app on Azure App Service and used Azure Blob Storage to store our files and videos and Azure DevOps for the deployment of our Docker containers.

Book Store Web API Application

📅 Jan. 2022 – Feb. 2022

- Rebuilt and upgraded it with .NET 6 and Angular 13.2.2 For learning.
- Added ASP.NET Identity Core framework and used Entity Framework Core to interact with the SQL Server database.

Ahl AlQuran Academy

📅 Sep. 2021 – Jun. 2022

A platform for memorizing and reviewing the Noble Quran and learning the provisions of intonation and readings. Participated in designing the database. Mapped and normalized the entities, and implemented them on MySQL Server.

SKILLS

C# ●●●●●

ASP.NET Core MVC
ASP.NET Core Web API
ASP.NET Core SignalR
Entity Framework Core
Language Integrated Query (LINQ)
JSON Web Token (JWT)
Microsoft Azure

Problem Solving ●●●●○

Data Structures ●●●●○

Algorithms ●●●○○

SQL ●●●●○

Object-Oriented Programming (OOP)
Database Systems
Clean Code
Software Engineering Practices
Unit Testing
Microservices
Cloud Computing
Git
Unix / Linux

LANGUAGES

Arabic ●●●●●

English ●●●●○