

AHMED MOHAMED FATHY OSMAN

Software Engineer

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Asyut, Egypt
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EDUCATION

B.Sc. Degree in Bachelor Degree of Computers and Information Majoring in Computer Science [Assiut University](#)

Sep. 2018 – Jun. 2022

Asyut, Egypt

EXPERIENCE

Back-End Engineer [Axapta. Ltd](#)

Dec. 2023 – Present

Remote

Masareefi (ERP System)

- Increased API security by using Shared Access Signature (SAS) to make an expiration duration for Blobs and Containers.
- Validated created accounts with Multi-Factor Authentication (MFA).
- Elevated system performance through the implementation of local memory caching, Redis storage, and SQLite caching strategies.
- Architected a robust microservices infrastructure to enhance scalability, flexibility, and overall system efficiency.

.NET Engineer [Freelance](#)

Jul. 2022 – Present

Remote

- Worked as a Freelancer during and after Military Service to improve my skills and raise my experience.

Mustafa Kamel Portfolio

[Code](#)

- Injected the swagger service implemented its security definition for authentication and used it to test and document my API.
- Approached code first and used Entity Framework for database migrations with SQL Server and hosted my database on Azure SQL.
- Applied ASP.NET Core Identity with JSON Web Token for authentication and authorization.

PROJECTS

Learning Lantern [Graduation Project](#)

[Code](#)

- A complete Learning Management System that allows institutes and universities to get their learning portal easily, with integrated and easy-to-use cloud services and content-creating tools for leveraging the online education processes.
- Took ownership to design the database and normalized it to be as optimized as possible.
- Built the Authentication and Authorization service using ASP.NET Core Identity, JWT Bearer, and Email Sender service.
- Designed the app first in the monolithic architecture and then upgraded it to the microservices architecture.

Fathy.Common [Open-Source](#)

[Code](#)

- 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.

SUMMARY

- Two years of experience in web application development using .NET Core Framework.
- Proficient in Object-Oriented Programming, Data Structures, Algorithms, Design Patterns, and Problem Solving.
- Detail-oriented and committed engineer known for on-time delivery of high-quality products. Self-motivated and quick learner.

SKILLS

C#

C

C++

Python

Bash

SQL

HTML

CSS

JavaScript

Object-Oriented Programming (OOP)

Data Structures

Algorithms

Clean Code

SOLID Principles

Design Patterns

Database Systems

Cloud Computing

Software Development Life Cycle (SDLC)

.NET

MVC

Web API

Razor Pages

SignalR

WebSockets

SQL Server

Entity Framework

Microsoft Azure

REST APIs

MVC Design Pattern







Git

Linux

Docker

Microservices

CERTIFICATIONS

-  4th Place in The 2019 Assuit Collegiate Programming Contest
-  Succeeding in Web Development: Full Stack and Front End
-  Cloud Computing Basics (Cloud 101)
-  Database Fundamentals
-  The Bits and Bytes of Computer Networking
-  Operating Systems: Becoming a Power User

LANGUAGES

Arabic	Native
English	B2