

# AHMED MOHAMED FATHY OSMAN

## Software Engineer

@ SWE.Ahmed.Osman@gmail.com  
AhmedFathyDev

+20 120 873 1604  
AhmedFathyDev

Asyut, Egypt  
AhmedFathyDev

### 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

- One year 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