

# AHMED OSMAN

## Software Engineer

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AhmedFathyDev

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Cairo, 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.
- Restructured endpoints by using reflection to improve code usability, reduce complexity, and increase 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.
- Eager learner passionate about advancing skills in .NET, Back-End technologies, DevOps, and emerging trends like Web 3, Blockchain, Linux, and Cloud Computing.
- 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 Computer Networking  
Software Development Life Cycle (SDLC)

.NET REST APIs MVC Design Pattern  
SignalR WebSockets SQL Server  
Entity Framework Microsoft Azure  
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