

AHMED OSMAN

Software Engineer

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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)

- 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.
- Localized the messages and names to the user display language.
- Incorporated SignalR for real-time notifications, enhancing user engagement with timely updates and alerts.

.NET Engineer [Freelance](#)

📅 Jul. 2022 – Present

📍 Remote

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

eCommerce Web App for UX designer

[Code](#)

- Injected the swagger service implemented its security definition for authentication and used it to test and document my API.
- Applied ASP.NET Core Identity with JSON Web Token for authentication and authorization.
- Managed files and videos, securely storing them using Azure Blob Storage, and deploying the application on Azure App Service.

PROJECTS

Learning Lantern (LMS) [Graduation Project](#)

[Code](#)

- Allows institutes and universities to get their learning portal, with integrated and easy-to-use cloud services and content-creating tools for leveraging the online education processes.
- Led database design and normalization for maximum optimization.
- 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](#)

- Made to facilitate the development of the most common .NET services and let them be free to customize with the best practices.

Ahl AIQuran Academy [Distributed Database Course](#)

[Code](#)

- A platform for memorizing and reviewing the Noble Quran.

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 back-end technologies, DevOps, and emerging trends like Web 3.
- Detail-oriented and committed engineer known for on-time delivery of high-quality products. Self-motivated and quick learner.

SKILLS

C# C & C++ SQL Python
HTML CSS JavaScript Bash

Object-Oriented Programming (OOP)

Data Structures Algorithms

Problem Solving Database Systems

SOLID Principles Design Patterns

Software Development Life Cycle (SDLC)

.NET REST APIs MVC Design Pattern

SQL Server ADO.NET Entity Framework

SignalR Authentication 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