# AHMED OSMAN

# **Software Engineer**

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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

C 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

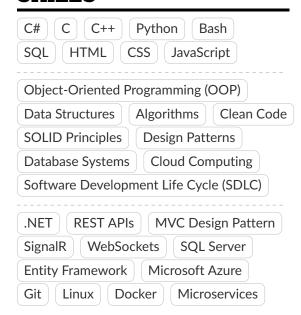
Code

 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**



# **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