AHMED OSMAN

Software Engineer

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AhmedFathyDev   AhmedFathyDev   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.
- Localized the messages and names to the user display language.

.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

- 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.
- 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

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

Ahl AlQuran Academy **Distributed Database Course**   ○ Code

- A platform for memorizing and reviewing the Noble Quran and learning the provisions of intonation and readings.

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++ | HTML | CSS
SQL | Python | 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
SignalR | Authentication | 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