

# AHMED MOHAMED FATHY OSMAN

## Software Engineer

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Cairo, Egypt

SWE-Ahmed-Osman

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## EDUCATION

B.Sc. in Computer Science

Assiut University

Sep. 2018 – Jul. 2022

Assiut, Egypt

## EXPERIENCE

Software Engineer

Freelance

Jul. 2022 – Present

Assiut, Egypt

I work as a Freelancer during Military service vacations to improve my skills and raise my experience. I integrate my educational knowledge with industry experience to start my journey in the software industry.

## PROJECTS

Learning Lantern

Graduation Project

Jan. 2022 – Jul. 2022

- An online educational environment, with integrated and easy-to-use cloud services and content-creating tools for leveraging the online education processes.
- Built the Authentication service using the JWT Bearer using the MediatR pattern. Developed the app in the Monolithic architecture, then we upgraded it to the Microservices architecture. Implemented Ocelot API Gateway.
- Accomplished To Do, Text Lessons, and Video services. Tested our app with Unit Testing.
- Managed our database on Azure SQL Database and our app on Azure App Service and used Azure Blob Storage to store our files and videos and Azure DevOps for the deployment of our Docker containers.

Fathy.Common

Open-Source

Oct. 2022 – Present

- 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.
- Implemented Swagger definitions, Email sender, Authentication and JWT services, and Azure Blob Storage service.

Mustafa Kamel Portfolio

Freelance

Sep. 2022 – Oct. 2022

- Approached code first, used Entity Framework Core (ORM) for database migrations with SQL Server, and hosted my database on Azure SQL Database.
- Applied ASP.NET Core Identity with JSON Web Token for authentication and authorization. Accomplished complex mapping using Automapper.
- Deployed my app on Azure App Service. Interacted with files (videos, images, and PDFs) and stored them on Azure Blob Storage service.

## SKILLS

C / C++

Java

C#

Problem Solving

Data Structures

Algorithms

Object-Oriented Programming (OOP)

SQL

Database Systems

ASP.NET Core MVC

ASP.NET Core Web API

ASP.NET Core SignalR

ASP.NET Core Identity

Entity Framework Core

Azure SQL Database

Microsoft SQL Server

Language Integrated Query (LINQ)

Heroku

Microsoft Azure

Clean Code

Unit Testing

JSON Web Token (JWT)

Software Engineering Practices

Microservices

Cloud Computing

Git

Bash

Unix / Linux

## CERTIFICATIONS



4th Place in The 2019 Assuit Collegiate Programming Contest



Technical Support Fundamentals



The Bits and Bytes of Computer Networking



Operating Systems: Becoming a Power User



English for Career Development

## LANGUAGES

Arabic



English

