

AHMED OSMAN

Software Engineer

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EXPERIENCE

Back-End Engineer [AxaptaT](#)

📅 Dec. 2023 – Present 📍 Remote

Masareefi (ERP)

- Increased API security by using Shared Access Signature, setting expiration durations for Blobs, reducing unauthorized access by 40%.
- Validated created accounts with Multi-Factor Authentication.
- Elevated system performance by 40% through local memory caching, Redis storage, and SQLite caching strategies.
- Architected a robust microservices infrastructure, increasing system scalability and flexibility by 30%.
- Localized messages and names in 3 languages to enhance user experience and accessibility.
- Refactored legacy system and coded ADO.NET Data Provider.
- Incorporated SignalR for real-time chat and notifications, boosting user engagement with timely updates and alerts.
- Integrated PayPal gateway for secure payment processing.

.NET Engineer [Freelance](#)

📅 Jul. 2022 – Present 📍 Remote

Mustafa Kamel Portfolio – eCommerce Web App for UX designer.

Printing System – Windows Form ERP system for printing company.

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, optimizing 10+ tables for maximum efficiency.
- Built the Authentication and Authorization service using ASP.NET Core Identity, JWT Bearer, and Email Sender service.
- Accomplished a to-do feature using ASP.NET Core Web API and video services using SignalR, supporting 10+ concurrent users.
- Deployed Docker containers using Azure DevOps on Azure App Service. Stored files and videos on Azure Blob Storage.
- Tested services and APIs using Postman and Swagger.

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.
- Designed and normalize the database, implemented in MySQL.

Runner Wheel 3D [Computer Animation Course](#) [Code](#)

- An endless runner game for Android and Windows.
- Developed the game on Unity Engine by C#.

EDUCATION

B.Sc. Degree in Bachelor Degree of Computers and Information Majoring in Computer Science [Assiut University](#)

📅 Sep. 2018 – Jun. 2022 📍 Asyut, Egypt

VOLUNTEERING

Instructor & Mentor [ICPC Assiut University Community](#)

📅 Oct. 2018 – Jun. 2022 📍 Asyut, Egypt

- The main goal of this community is to improve the programming, problem-solving, and algorithmic skills of all students in Egypt.
- Competed a lot in programming competitions like ECPC and enjoyed participating with my colleagues, students, and mentors.

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 API MVC Design Pattern
SQL Server ADO.NET Entity Framework
SignalR Authentication Microsoft Azure
Payment Gateways Telegram Bot
Git Linux Docker Microservices

CERTIFICATIONS

🔗 4th Place in The 2019 Assiut 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