

# AHMED OSMAN

## Software Engineer

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AhmedOsmanDev

Egypt

## EXPERIENCE

### Junior Backend Developer IPMagiX

Oct. 2024 – Present

Remote

#### eZagel (WhatsApp Service)

- Two-way communication between sender and recipient.
- Sending text, image, ..., and marketing template messages.

#### eZagel (SMS Service)

- Enhancing security vulnerabilities with the penetration testing team.
- Proactive secure code development to protect against DoS attacks.

#### Accor (Hospitality Service)

### Software Engineer Freelance

Jul. 2022 – Present

Remote

**Upwork Freelance Project** – API bug fixes and Azure deployment.

**ElmourchidiTube** – Firebase function that gets the latest videos from YouTube subscriptions and sends them to a telegram bot.

**Mustafa Kamel Portfolio** – eCommerce Web App for UX designer.

**Printing System** – Windows application for printing company.

### Back-End Engineer Axapta IT

Jul. 2022 – Mar. 2025

Remote

#### UnifiedTalk

- Elevated system performance by 40% through local memory, Redis, and SQLite caching strategies.
- Incorporated SignalR for real-time chat and notifications, boosting user engagement with timely updates and alerts.
- Integrated PayPal gateway for secure payment processing.
- Successfully implemented a consumer-producer approach using RabbitMQ, enhancing system efficiency and scalability.
- Developed a chat app for back-office users to communicate with customers via WhatsApp, Facebook, and Telegram in one system.

#### Baseeta

- Created Azure Storage account and initiated 10+ containers.
- Increased API security by using Shared Access Signature setting expiration durations for Blobs, reducing unauthorized access by 40%.
- Architected a robust microservices infrastructure, increasing system scalability and flexibility by 30%.
- Refactored legacy system and coded ADO.NET Data Provider.
- Decreased development costs by 70% using Docker to deploy SQL Server, Redis, Seq, .NET, and Python on a single Linux machine.

#### Masareefi

- Validated created accounts with Multi-Factor Authentication.
- Localized messages and names in 3 languages to enhance user experience and accessibility.
- Built a search engine with Python and Hugging Face, using Qdrant and Redis vector databases.

#### Axapta IT Website

### Software Engineer Intern Manara

Jul. 2024 – Present

Remote

## EDUCATION

Bachelor Degree of Computers and Information **Assiut University**

Sep. 2018 – Jun. 2022 Assiut, Egypt

## PROJECTS

### Learning Lantern (LMS) Graduation Project

- Allows universities to get their learning portal, with integrated cloud services and content-creating tools for leveraging the online education processes.

## SKILLS

C# SQL Python Java C C++  
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 Dapper  
SQL Server Entity Framework ADO.NET  
SignalR Authentication Unit Testing  
Microservices RabbitMQ Redis  
Angular MongoDB Clean Code  
Git Docker Linux Microsoft Azure

## CERTIFICATIONS

- 4th Place in The 2019 Assuit CPC
- Succeeding in Web Development: Full Stack and Front End
- Database Fundamentals
- The Bits and Bytes of Computer Networking
- Operating Systems: Becoming a Power User

## VOLUNTEERING

Instructor & Mentor **ICPC Assiut University Community**

Oct. 2018 – Jun. 2022 Assiut, Egypt