

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.

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.
- 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.

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.

PROJECTS

Learning Lantern (LMS) [Graduation Project](#)

- 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.

EDUCATION

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

Sep. 2018 – Jun. 2022 Assiut, Egypt

VOLUNTEERING

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

Oct. 2018 – Jun. 2022 Assiut, 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
Entity Framework ADO.NET Dapper
SignalR Authentication Microservices
RabbitMQ Clean Code Unit Testing
Git Linux Docker Microsoft Azure

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