# AHMED OSMAN

# **Software Engineer**

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Egypt AhmedFathyDev

# **EXPERIENCE**

## Junior Backend Developer IPMagiX

Oct. 2024 - Present

Remote

#### Accor (Hospitality Ecosystem)

• Worked with a database-first approach and Dapper ORM to interact with the SQL Server.

### Back-End Engineer Axapta IT

Dec. 2023 - Present

Remote

#### Masareefi (Business Control)

- Increased API security by using Shared Access Signature.
- Validated created accounts with Multi-Factor Authentication.
- Elevated system performance by 40% through local memory, Redis, and SQLite caching strategies.
- Localized messages and names in 3 languages to enhance user experience and accessibility.
- Incorporated SignalR for real-time chat and notifications, boosting user engagement with timely updates and alerts.
- Integrated PayPal gateway for secure payment processing.
- Developed a chat app for back-office users to communicate with customers via WhatsApp, Facebook, and Telegram in one system.
- Built a search engine with Python and Hugging Face, using Qdrant and Redis vector databases.
- Decreased development costs by 70% using Docker to deploy SQL Server, Redis, Seg. .NET, and Python on a single Linux machine.

### 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 form application for printing company.

# **PROJECTS**

#### Fathy.Swagger Open-Source

Code

NuGet package for efficiently adding swagger in Web APIs.

### 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.
- 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.

# **EDUCATION**

B.Sc. Degree in Bachelor Degree of Computers and Information Majoring in Computer Science Assiut University

iii Sep. 2018 - Jun. 2022♥ Assiut, Egypt

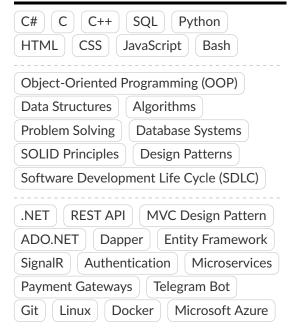
### **VOLUNTEERING**

Instructor & Mentor ICPC Assiut University Community

iii 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



# 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