

Mohamed Ali Ahmed

Software engineer | Backend developer

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SUMMARY

Software engineer with a strong foundation in computer science, specialized in .NET technologies and experienced in building and maintaining reliable software applications. **Collaborates effectively** with teams to solve problems and **delivers scalable solutions that meet business requirements**.

EDUCATION

Computer Science Bachelor Sep 2021 – Jun 2025
Faculty of Computers & Information South Valley University

PROFESSIONAL EXPERIENCE

Desktop Developer, at Zero Bugs Mar 2024 – Jun 2024
Freelance Cairo, Egypt

- Built and maintained a scalable desktop application using C#, Entity Framework Core, and MS SQL, enhancing user experience and improving data handling efficiency across departments.
- Implemented custom modifications based on client requirements, leading to a 40% improvement in application efficiency.

SKILLS


Software Development
C#, ASP.NET Core MVC, WebAPI, GraphQL, SignalR, Unit Testing, SQL, Entity Framework Core, LINQ, MS SQL Server, PostgreSQL, Database Design, HTML5, CSS3, JavaScript, Bootstrap.

Development Practices
OOP, SOLID Principles, Design Patterns, Clean Architecture, Docker.


Tools
Git, GitHub, VS, VS Code, Figma, Jira, Notion, ClickUp, Postman.

Soft Skills
Team work, Communication, Time management, Mentoring, Presentation skills.



PROJECTS

Optern - Interactive virtual Job Readiness Platform  Oct 2024 – May 2025
Graduation Project | Backend Dev & UI Designer

- Contributed to building GraphQL API with .NET 8.
- Engineered database schemas with PostgreSQL and optimized LINQ queries to maximize data retrieval and system performance.
- Implemented real-time interview, chat and tasks management modules to simulate live recruitment workflows.
- Authored NUnit test suites to ensure code reliability and maintainability.
- Designed and built the platform's process workflow using interactive UI designs and prototypes.

Sedra Website - Company website  Jan 2025
Maintenance services company | Fullstack Dev




- Designed and produced a responsive frontend pages using HTML5, CSS3, JavaScript, and Bootstrap.
- Created an admin dashboard and email service using ASP.NET 8.

TikiTaka - Sports talents mobile application Freelance project using .NET 8 with Flutter Backend Dev <ul style="list-style-type: none"> • Developed and maintained RESTFul API implementing real-time interactions (React, comment and share) with SignalR and videos management. • Built Database shema with MS SQL Server. 	Nov 2024
Hazzy - Satirical comic mobile application Freelance project using .NET 8 with Flutter Backend Dev <ul style="list-style-type: none"> • Launched RESTful API using .NET 8 and SQL Server as DB provider and implementing secure authentication. • Created real-time chat functionality using SignalR, facilitating instant communication between users. 	Oct 2024
HMSphere - MVC Hospital management system  DEPI graduation project Team leader <ul style="list-style-type: none"> • Directed a team in the design and implementation process, overseeing project milestones and ensuring adherence to timelines and quality standards. • Streamlined patient appointment scheduling system using MVC .NET 8 and SQL Server, decreasing patient wait times and improving doctor efficiency in the hospital operations. • Enabled patients to seamlessly book and manage appointments with doctors through an intuitive scheduling interface. • Different access roles for each user of the system. 	Oct 2024
CommerceAPI  E-Commerce Restful API with .NET 8 <ul style="list-style-type: none"> • Introduced a scalable RESTful API for managing user accounts, product categorization, and order processing with full cart functionality, enabling seamless e-commerce operations. • Optimized complex SQL queries and database performance for improvement in transaction speed. • Implemented secure Authentication and Authorization. 	Jun 2024

ACTIVITIES

Database and Backend Mentor, Support Community FCI SVU <ul style="list-style-type: none"> • Created backend and database mentoring sessions, leading to improvement in students' technical skills. • Planned and led hands-on exercises and real-world projects to help students practice solving problems and thinking through solutions step by step. 	2023 – 2024
Head of Media Committee, Student For Egypt FCI SVU <ul style="list-style-type: none"> • Led the media team, guiding strategies that boosted organization visibility and engagement through digital outreach and media campaigns. • Managed social media platforms and reviewing the tasks required of the team. 	2022 – 2023

COURSES & CERTIFICATES

Dot NET Development Track  Digital Egypt Pioneers Initiative - DEPI, MCIT	Apr 2024 – Oct 2024
Frontend - Angular bootcamp Information Technology Institute - ITI, MCIT	Sep 2024
Participant in ECPC - Egyptian Collegiate Programming Contest  Qualifications, ICPC Foundation	Aug 2022
Artificial Intelligence summer Training  National Telecommunication Institute - NTI	Aug 2022

LANGUAGES

Arabic — Native, **English** — Conversational