

MOHAMED AHMED KASSEM

.NET DEVELOPER

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SUMMARY

.NET Developer proficient in ASP.NET Core, C#, and Entity Framework Core. Dedicated to providing scalable backend solutions and playing a role in innovative projects. Skilled in tackling complex issues and committed to delivering high-quality software development.

EDUCATION

Bachelor's Degree in Computer Science

sep 2021-2025

Graduation Project – “Gato” | Grade: Excellent

📍 Al-Shorouk Academy, CS Department

Skills & abilities

- **Programming Languages:** C#, Python, SQL, HTML, C++.
 - **Frameworks & Libraries:** ASP.NET Core, EntityFramework Core, ASP.NETCore MVC, Bootstrap, jQuery.
 - **Database Management:** SQL Server, LINQ, Database Design
 - **API Development:** RESTful APIs, Swagger, JWT Authentication, AutoMapper.
 - **Design Patterns & Principles:** Repository Pattern, Specification Pattern, SOLID Principles, Dependency Injection.
 - **Tools & Technologies:** Git & GitHub, Postman, Visual Studio.
 - **Other Skills:** Problem Solving, Data Structures & Algorithms, Agile Methodology, Unit Testing.
 - **Soft Skills:** Team Collaboration, Communication, Attention to Detail, Continuous Learning.
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Experience

Soft Skills & Technical Trainer – Digital Egypt Pioneers Initiative (DEPI) |

05/2025 – 08/2025

Delivered training sessions on soft skills and technical topics to program participants, enhancing their communication, teamwork, and technical competencies

Courses

Route Academy| ASP.NET Core Diploma

06/2024 – 01/2025

Covered key backend development topics, including C# fundamentals, Object-Oriented Programming (OOP) and SOLID principles, Design Patterns, LINQ and Entity Framework Core, ASP.NET Core MVC and ASP.NET Core APIs.

ASP.NET Core 9 (.NET 9) | True Ultimate Guide – Udemy.

12/2024 – 02/2025

Covered key backend development topics, including C# fundamentals, Object-Oriented Programming (OOP) and SOLID principles, Design Patterns, LINQ and Entity Framework Core, ASP.NET Core MVC and ASP.NET Core APIs.

Trainee Full Stack .NET Developer – *Digital Egypt Pioneers Initiative (DEPI)*.

09/2024– 05/2025

Strong foundation in .NET technologies and data-driven applications, with expertise in C#, .NET Core Web API, and MVC. Proficient in HTML5, JavaScript, SQL, Git /GitHub, Unit Testing, and Prompt Engineering. Hands-on experience with a Capstone Project.

C# .NET with MS SQL Complete Beginner to Master.

07/2024-10/2024

Skilled in C# and .NET Core for building REST APIs and data-driven applications. Proficient in T-SQL, MS SQL Server, and Azure SQL. Experienced with VS Code, Azure Data Studio, and Postman for development and testing. Capable of provisioning Azure resources for production .NET Core applications.

Business English Track – Round (2) – *Digital Egypt Pioneers Initiative (DEPI)*

10/2024- 05/ 2025

Enhanced professional business communication skills, including effective writing, speaking, and collaboration in global work environments.

Projects

Social Media Platform

- Built a social media platform using .NET and APIs, allowing users to create accounts, post content, and interact in real time.
- Developed and integrated RESTful APIs for authentication, posts, comments, and notifications.
- Designed a scalableSQL Server database architecture.
- Optimized API performance for scalability and security, implementing authentication and authorization mechanisms.

Talabat Clone APIs System

- Developed a robust e-commerce API system with features like user authentication (JWT), product management (browse, search, view), basket management, and order processing (place, view, cancel), ensuring secure and seamless user interactions.
- Utilized advanced design patterns such as Repository Pattern , Specification Pattern, and Dependency Injection, along with AutoMapper and DTOs, to build a scalable and maintainable system with efficient data access and secure payment processing.

XO Game (Windows Forms Application)

- Developed a Tic-Tac-Toe (XO) game using Windows Forms in C# with a simple and interactive UI.
- Implemented game logic and win conditions.
- Enhanced user experience with error handling and visual effects.

Department Management System

- Developed a department management system using ASP.NET MVC, enabling users to add, update, and delete departments while managing employees.
- Designed user interfaces using HTML and CSS.
- Implemented back-end architecture using C# and ASP.NET MVC.
- Managed the database with SQL Server.

Learning Management System (LMS)

- Developed a Learning Management System using ASP.NET MVC that allows instructors to upload courses, modules, lessons, and quizzes for each lesson.
- Enabled real-time course visibility for students with enrollment functionality.
- Implemented a course progress tracking system to monitor student advancement based on completed lessons.
- Built the front-end using HTML, CSS, and JavaScript, and the back-end using C# and ASP.NET MVC.
- Managed data storage and retrieval using SQL Server.