

Ahmed Mostafa Maklad

.NET Developer

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Profile

.NET Developer with expertise in web development and ITI's intensive training program background. Specializes in building scalable applications using ASP.NET Core and modern development practices. Proven experience implementing SOLID principles and Onion Architecture in production environments. Strong team collaborator with effective problem-solving abilities

Skills

Programming Languages: C#, C, C++, JavaScript (ES6+), TypeScript, SQL

Frameworks & Libraries: ASP.NET Core MVC, ASP.NET Web API (RESTful), Entity Framework Core, LINQ, ADO.NET, Angular, Bootstrap 5

Software Development Methodologies & Concepts: SOLID Principles, Object-Oriented Programming, Design Patterns, Onion Architecture, Data Structures

Database Technologies: Microsoft SQL Server, MySQL

Tools: Git/GitHub, Postman

Web Development: HTML5/CSS3, Responsive Web Design

Projects

E-commerce Public Website Platform (All Birds) [🔗](#)

- **Technologies & Tools:** ASP.NET Web API, Angular, JSON Web Token (JWT), Entity Framework Core, Microsoft SQL Server (MS SQL), LINQ, Repository Pattern, SOLID Principles, AutoMapper, DataTransfer Objects (DTOs), Localization, Pagination, Responsive Web Design, Route Guards, RefreshToken Authentication.
- **Key Achievements:**
 - Architected scalable RESTful APIs for a comprehensive e-commerce ecosystem
 - Enhanced system security through advanced JWT refresh token authentication
 - Optimized database performance, reducing query response time by 40%
 - Implemented multi-language support for global market accessibility
 - Developed responsive cross-platform Angular frontend with a seamless user experience

Admin Dashboard Website [🔗](#)

- **Technologies & Tools:** ASP.NET Core MVC, C#, Microsoft SQL Server (MS SQL), Entity Framework Core, LINQ, JSON Web Token (JWT) Authentication, Onion Architecture, Repository Pattern, AutoMapper, ASP.NET Core Identity
- **Key Achievements:**
 - Engineered robust admin management system with advanced authentication
 - Integrated ASP.NET Core Identity for secure user management
 - Improved data processing efficiency through advanced LINQ optimization
 - Reduced database query complexity by 35% using repository pattern
 - Implemented clean, modular architecture following Onion Architecture principles

E-commerce Application (Windows Forms)

- **Technologies & Tools:** C#, Entity Framework, SOLID Principles, Onion Architecture, Repository Pattern, Solid Principle, AutoMapper.
- **Key Achievements:**
 - Created comprehensive desktop e-commerce solution with advanced user management
 - Implemented clean, maintainable code architecture
 - Developed efficient data mapping and transformation strategies
 - Ensured high scalability through modular design approach

Task Management System (C)

- **Technologies & Tools:** C Programming, Dynamic Memory Allocation, Structs, Pointers.
- **Project Overview:**
 - Developed a task management system using C programming, focusing on dynamic memory allocation.
 - Utilized dynamic struct allocation to manage variable-sized data, enhancing flexibility.

Work Experience

External Instructor at Information Technology Institute (ITI)
I help ITI students understand software development concepts and strengthen their .NET programming skills through tasks and exercises.

Dec 2024 – present
Sohag, Egypt

Information Technology Institute (ITI) | Full Stack .NET Developer
Gained experience in writing clean code with ASP.NET Core, Entity Framework and collaborating effectively in teams.

Apr 2024 – Nov 2024
Sohag Branch

Software Fundamentals Track (ITP)
3-Month Intensive Training Program: Learned the basics of programming, covering Operating Systems, Data Structures, Algorithms, and mastering C and OOP principles using C++.

Oct 2023 – Mar 2024
Assiut Branch

Education

Master’s Degree in Private Law
Ain Shams University

Oct 2020 – Jun 2021
Cairo

Faculty of Law
Sohag University

Oct 2015 – Jul 2019
Sohag

Personal Information

Military Status:
Completed Officer Service

Jun 2020 – Oct 2022

- Language
- **English:** Good Working Proficiency
 - **Arabic:** (Native)