

Mahmoud Magdy

Software Engineer | Full Stack Developer .Net Angular

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SUMMARY

Full-Stack Developer with a Bachelor's degree in Computer Science and experience in building end-to-end web applications. Skilled in designing and optimizing databases, developing robust back-end APIs, and creating intuitive front-end interfaces. Follows best practices to deliver clean, maintainable, and scalable software solutions with a strong focus on usability and performance.

EDUCATION

Arab Academy for Science, Technology, and Maritime Transport

Sept 2019 - Sept 2023

- Bachelor's degree in Computer Science
- Major: Computer Science | Minor: Software Engineering
- Graduation Project: Designed and implemented a Smart Home System | GPA: A+

PROJECTS

Full-stack E-Commerce Platform — ASP.NET Core API, Angular

- **Source Code:** <https://github.com/Mahmoudmagdy99/E-Commerce>
- **Description:** Developed a production-ready e-commerce platform using a clean, modular architecture aligned with domain-driven design for scalability and maintainability. Implemented Specification and Unit of Work patterns to deliver flexible, structured, and testable data access. Built secure JWT authentication with role-based authorization and integrated Stripe payments along with full webhook handling. Optimized backend performance using Redis distributed caching and global API error handling. Delivered a modern Angular frontend using Material UI, Tailwind CSS, and SignalR for real-time updates.

Property Management System — ASP.NET Core MVC As Consumer, .NET Web API As Provider

- **Source Code:** https://github.com/Mahmoudmagdy99/MagicVilla_Api
- **Description:** Developed a RESTful API using ASP.NET Core, Entity Framework Core, and SQL Server with JWT-based authentication and role-based authorization. Implemented repository and unit-of-work patterns, AutoMapper, and API versioning for scalable architecture. Added features such as response caching, pagination, Swagger documentation with JWT support, and seed data for testing, ensuring clean, maintainable, and extensible code.

Book Store Management System — ASP.NET Core MVC

- **Source Code:** https://github.com/Mahmoudmagdy99/Book_Store_WebSite
- **Description:** Built a full-stack book store using ASP.NET Core MVC, Entity Framework Core, and SQL Server with a layered architecture. Implemented repository and unit-of-work patterns, ASP.NET Core Identity with role-based authorization, and Stripe payment integration. Developed features such as product and order management, shopping cart functionality, email notifications, and an admin dashboard for managing users, companies, and categories.

TECHNICAL SKILLS

Programming Language: c#, javascript, typescript, c++, c

Backend: asp.net core, asp.net core API, entity framework core, linq, Restful Web API

Frontend: Angular, React.js, HTML, CSS, Redux, redux-toolkit, jQuery, Bootstrap, Tailwind CSS

Database: Postgresql, Sql server, MongoDB

Authentication: JWT, .NET Core Identity

Architecture & Principles: Clean Code, SOLID Principles, Design Patterns, Unit Testing, Agile

Tools: Git, GitHub, Postman, Swagger, Stripe, Redis, Docker

CERTIFICATIONS & COURSES

RESTful Web API - The Complete Guide (NET API) - Udemy

.NET Core MVC - The Complete Guide 2025 - Udemy

Angular - The Complete Guide (2025 Edition) - Udemy

Responsive Web Design - FreeCodeCamp

SOFT SKILLS

- Problem Solving
- Time Management
- Multitasking
- Detail-Oriented

LANGUAGES

- **English** - Fluent
- **Arabic** - Native