

Seif Mohamed

Junior Full Stack .NET Developer

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📌 SUMMARY

Full Stack Developer skilled in building secure, scalable, and maintainable web applications using ASP.NET Core, C#, EF Core, JavaScript, and SQL Server. Experienced in both MVC and Web API development, with a strong grasp of SOLID principles, design patterns, and clean architecture. Focused on writing clean code and delivering efficient, user-friendly solutions.

🎓 EDUCATION

El Shorouk Academy

2022 – Present

Faculty of Computer and Information Sciences

📁 PROJECTS

Shipping Management System 🔗

Jul – Aug 2025

- Applied **Clean Architecture** for better maintainability, testability, and separation of concerns.
- Secured **50+ API endpoints** in **17 controllers** using **JWT**, **refresh tokens**, and **role-based access** with **custom filters**.
- Used **Design Patterns**: Repository, Unit of Work, Service Locator (lazy-loaded), and Chain of Responsibility.
- Ensured application reliability with **90%+ test coverage** across **1,600+** lines of **test code**, by writing comprehensive **unit** and **integration tests** for **17 controllers** using **xUnit**.
- **Technologies Used**: ASP.NET Core 9 Web API, C#, SQL Server, EF Core, AutoMapper, JWT, xUnit, Serilog, Repository, Unit of Work, Service Locator & Chain of Responsibility Patterns.

Restaurant Management System 🔗

Jan – Feb 2025

- Improved scalability and maintainability across **~1,200 LOC** using **Clean Architecture** and **CQRS** with **MediatR**.
- Secured **30+ API endpoints** in **7 controllers** with ASP.NET **Identity**, **role-based auth**, and **custom claims**.
- Enhanced **performance** and **usability** for **5+ endpoints** handling **1,000+ records** via **pagination**, **sorting**, **file uploads**, and **FluentValidation**.
- Achieved **85%+ test coverage** on **700+ lines** with **unit** and **integration tests** using **xUnit** and **FluentValidation**.

Technologies Used: ASP.NET Core 9, C#, EF Core, MediatR, SQL Server, ASP.NET Identity, FluentValidation, AutoMapper, Serilog, xUnit.

Shoghlana API - Freelancing platform 🔗

Mar – Apr 2025

- Delivered **50+ RESTful API endpoints** (**~1,100 LOC**) for **job posts**, **proposals**, **messaging**, and **user management**.
- Enabled **real-time chat** and **notifications** using **SignalR Hubs** for **individual** and **group interactions**.
- Secured **all endpoints** with **JWT**, **refresh tokens**, **OAuth**, and **role-based access** (**270+ LOC** for **auth logic**).
- Scaled **maintainable codebase** (**~5,600+ LOC**) with **Clean Architecture**, **Repository**, **Unit of Work**, and **DI patterns**.
- Optimized **performance** for **10+ endpoints** handling **5,000+ records** using **DTOs**, **AutoMapper**, **Fluent API**, and **pagination**.

Technologies Used: ASP.NET Core 9 Web API, SignalR, C#, LINQ, EF Core, SQL Server, JWT, OAuth, AutoMapper, DTOs, Fluent API, Pagination, Repository Pattern, Unit of Work, Clean Architecture.

MagicVilla - Property Management Platform - MVC

Sep. – 2024

- Built a full-stack villa rental platform with **40+ versioned API endpoints** and **1,000+ lines of Razor Pages** for a secure **MVC frontend**.
- Managed **1,000+ villa listings** with **CRUD**, and **image uploads via API and Razor UI**.
- Secured all **endpoints** and **UI with JWT, role-based** (Admin/Customer), and **cookie-based authentication**.
- Optimized **DB performance (2,000+ LOC)** using **EF Core migrations, automatic updates**, and **response caching**

Technologies Used: .NET 9 Web API, C#, ASP.NET Razor Pages (MVC), EF Core, AutoMapper, Swagger, JWT, Role-based Access, API Key Management, Repository Pattern, Response Caching, Razor UI (Cookie Auth), Pagination & Filtering, API Versioning.

SKILLS

Programming Language: C#, JavaScript, SQL, C++.

Frontend technologies: HTML, CSS, Bootstrap.

Backend technologies: ASP.NET Core, ASP.NET MVC, LINQ, SignalR, Entity Framework Core, RESTful APIs.

Architectural Patterns: Clean Architecture, Repository Pattern, Unit of Work Pattern, Service Locator Pattern, CQRS Pattern.

Databases: SQL Server.

Core Computer Science: Data Structures, Algorithms, OOP, Design Principles, SOLID, Design Patterns.

Tools & Version Control: Git, GitHub, Postman.

Development Tools: Visual Studio, VS Code.

Soft Skills: Problem-solving, Strong analytical approach to debugging and optimization, Communication, Effective cross-functional collaboration to ensure aligned and efficient development, Ability to prioritize tasks and meet tight deadlines.

Others: Unit Testing (xUnit), .NET CLI.


TRAINING

Information Technology Institute (ITI)

July – Aug 2025

Intensive Training Program (ITP) – Frontend Web Development

Completed a 1-month intensive program (**120 hours**) focused on **frontend development**, covering **HTML5, CSS3, JavaScript**, and **ReactJS** through hands-on project.

- **Movie Streaming Platform:** 
- Delivered a seamless **movie streaming web** application with **5+ ReactJS components** and **5+ routes**, by leveraging **HTML5, CSS3, JavaScript, JSX**, and **React Router** for an optimized user experience.
- Delivered a responsive and intuitive UI across **5+ screens**, by researching and implementing modern UI/UX design using **HTML5, CSS3**, and **ReactJS**.

Information Technology Institute (ITI)

July – Aug 2024

Intensive Training Program (ITP) – .NET Full Stack Web Development

Completed an intensive 1-month training program covering **C#, ASP.NET MVC, Entity Framework** and **SQL Server**.

LANGUAGES

- **Arabic:** Native
- **English:** Very Good