MUATH MOHAMMAD
.NET Backend Developer

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SUMMARY

Muath Mohammad a .NET Backend Developer with hands-on experience in **building RESTful APIs, database design,** and applying Clean architecture using **C#, ASP.NET Core, and SQL Server.** Passionate about **solving problems** and delivering maintainable software

EDUCATION

Islamic University	**Gaza- Palestine**	**Bachelor of Computer Science – Expected 2026**

PROJECTS

MechanicShop 🔗

- Backend system for managing mechanical workshops operations.
- Handles customers and their vehicles with full tracking.
- Manages repair requests based on predefined repair tasks.
- Controls the Work Orders lifecycle from creation to completion.
- Assigns labors/employees to repair tasks with business rule enforcement.
- Generates and manages invoices and billing.
- Provides real-time notifications when Work Order status changes.
- Uses background services to monitor appointments and automatically cancel delayed work orders.
- **Technologies & Architecture:** C#, .NET, **Clean Architecture, CQRS, Vertical Slice Architecture, MediatR, Pipeline Behaviors**, Entity Framework Core (Code First & Migrations), **Custom Authorization Policies, SignalR (Real-Time Updates), Result Pattern, Global Exception Handling**

Shipping System 🔗

- A role-based web application used for managing shipments and customer subscriptions.
- The system includes real-time shipment tracking and a full shipment history for users.
- An admin dashboard was built to handle shipments, subscriptions, and updating workflow statuses.
- Role-based access control was implemented using ASP.NET Identity.
- The project also integrates PayPal for secure online payments.
- The design follows N-tier architecture with Repository and Unit of Work patterns.
- Strategy and Factory patterns were used to organize workflow logic and make the system more flexible.
- **Technologies: .NET 8 (C#), ASP.NET Core (MVC & Web API), SQL Server, EF Core (Code First), T-SQL**

E-Commerce-MVC 🔗

- Developed a complete e-commerce platform where users can browse products, search, use pagination, add items to the cart, and place orders.
- An admin panel was created to manage products, orders, and users, along with a dashboard that displays order statistics for the last 7 days and general sales insights.
- The design follows N-Tier Architecture with the Repository Pattern and Dependency Injection to keep the system organized and scalable.
- The frontend is responsive and built with HTML, CSS, JavaScript, and Bootstrap, fully integrated with ASP.NET Core MVC.
- **Technologies: .NET 8 (C#), ASP.NET Core MVC, SQL Server, EF Core (Code First), HTML, CSS, JavaScript**

Inventory Management Api 🔗

- Developed a backend API for managing inventory, sales, and purchases, including tracking product quantities, stock adjustments, and transaction history.
- Applied N-Tier Architecture, Repository & Unit of Work Patterns, and Dependency Injection to ensure scalability and maintainability.
- Secured the system with JWT authentication & role-based authorization.
- **Technologies: .NET 8 (C#), ASP.NET Core Web API, SQL Server, EF Core (Code First), AutoMapper, ASP.NET Identity, Swagger.**

TECHNICAL SKILLS

- **Programming Languages:** C#, C++
- **Frameworks and Technologies:** .NET Framework, .NET Core, ASP.NET Core (Web API | MVC), EF-Core, ADO.NET.
- **Web Development:** Fundamentals(HTML5, CSS3, JavaScript,Bootstrap)Used for building views in MVC projects
- **Database Management:** SQL, MS SQL Server, T-SQL, Database Design.
- **Version Control & APIs:** Git, GitHub, RESTful APIs, Postman, Swagger.
- **Data Handling & Practices:** LINQ, Data Structures, Algorithms, SOLID Principles, Design Patterns.
- **Soft Skills:** Problem Solving, Communication, Team Work, Attention to Detail, Time Management.

COURSES & ACHIEVEMENTS

- Completed **23** programming courses on **Programming Advices**, covering Problem Solving, Algorithms, Data Structures, C++, C#, OOP, .NET Framework, and Database Management. **12/2023 - 4/2025**
- **Completed a Training Course in ASP.NET Core On IT-Legend .** **07/2025 - 09/2025**
- **Practiced coding challenges on HackerRank, enhancing problem-solving and programming skills.**

LANGUAGES

- Arabic (Native)
- English (Intermediate)