ABDULLAH

Senior Software Engineer
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PROFESSIONAL SUMMARY

Senior Software Engineer with 3.5+ years designing and leading scalable enterprise systems built on **Clean Architecture**, **CQRS**, and **Microservices** using **ASP.NET Core**, **Entity Framework Core**, and **SQL Server**. Currently leading platform design and a development team at Halcon Systems, driving secure, high-performance delivery across two flagship products. Track record spanning CMS platforms, real-time systems, and full-stack delivery within Agile teams.

TECHNICAL SKILLS

Architecture & Design Patterns: Clean Architecture, **CQRS**, **MediatR**, **Microservices**, **Domain-Driven Design**, **Inbox-Outbox Pattern**, **Repository Pattern**, **Unit of Work**, **SOLID Principles**

Backend Development: ASP.NET Core (6-9), **ASP.NET Web API**, **GraphQL**, MVC, **Entity Framework Core**, **C#**, **JWT Authentication**, **SignalR**, **REST APIs**

Frontend Development: Angular (16-19), **Next.js**, **TypeScript**, **JavaScript**, **HTML5**, **CSS3**, **Bootstrap**, **jQuery**

Databases: SQL Server, **Azure SQL Managed Instance**, **MySQL**, SSMS, Stored Procedures

CMS Platforms: Optimizely CMS, **Umbraco CMS**, **Statamic CMS**

Leadership & Practices: Team Leadership, Code Reviews, Technical Mentoring, Agile/Scrum, Git, Sprint Planning, Stakeholder Communication

PROFESSIONAL EXPERIENCE

Halcon Systems — Karachi, Pakistan
Feb 2026 – Present

Team Lead / Senior Software Engineer

- Architecting two flagship products — Smart DHA App & Web and SmartDHA Card Management System — on **ASP.NET Core 8/9**, **Clean Architecture**, and **CQRS** with **MediatR**, giving Halcon Systems one shared, maintainable backend across both platforms.
- Engineering a microservices-oriented platform with **JWT** authentication, **SignalR** real-time integrations, and **SQL Server** performance tuning, keeping the system secure and responsive as user load grows.
- Implemented the **Inbox-Outbox Pattern** for reliable, event-driven communication between services, similar in purpose to Kafka-style event streaming, keeping database writes and published events consistent even during failures.
- Leading a cross-functional engineering team through code reviews, technical mentoring, sprint planning, and Agile ceremonies, keeping delivery predictable and code quality consistent across the team.
- Serving as primary technical decision-maker for system design, standardizing **Clean Architecture** and **Domain-Driven Design** so new features ship faster with fewer regressions.

OvrLod Pvt Ltd — Karachi, Pakistan
Aug 2024 – Feb 2026

Software Engineer

- Led development of Tarabezah, a smart restaurant table reservation platform, on **ASP.NET Core 8**, **Clean Architecture**, **CQRS**, and **Entity Framework Core** (Code First), so restaurant staff manage bookings and table status from one system.
- Connected **REST APIs** to **React** and **React Native** clients, enabling real-time, cross-platform table management so staff see live availability on any device.
- Delivered enterprise-level **Optimizely CMS** integration for ADGM (Abu Dhabi Global Market) after completing formal Optimizely certification training, letting the client's content team publish updates independently.
- Shipped 0Degrees.io end-to-end on **Umbraco CMS**, owning the full content-driven development lifecycle from setup through deployment and handing the client a production-ready site.

Beyond Vision — Karachi, Pakistan
Dec 2023 – Jul 2024

.NET Developer

- Owned end-to-end development of the Jamia Head Office Management System (JHS), from requirements gathering through production deployment, consolidating head-office administrative operations into a single digital system.

- Migrated a legacy **ASP.NET Web Forms** application to **ASP.NET Core Web API** + **Angular 16**, leaving the organization with a modern codebase that is easier and cheaper to maintain going forward.
- Built services on **CQRS**, **Unit of Work**, and Repository patterns, and optimized **SQL Server** stored procedures, keeping the system responsive as data volume grew.

Inovi Solutions — Karachi, Pakistan *Jun 2023 – Dec 2023*

Application Developer (Intern → Full-Time)

- Developed and maintained the DCR (Digital Customer Relationship) ERP module on **ASP.NET Core Web API** with **Unit of Work** and Repository patterns, paired with an **ASP.NET MVC** front end, centralizing customer-relationship tracking for the sales team.
- Built HRM and Access Control modules, including a custom Forum Portal, with **PHP**, **MySQL**, and the **ASP.NET Framework**, centralizing employee data and access management for the organization.
- Refactored legacy **C#** codebases to improve readability and stability, and optimized **MySQL** stored procedures for performance, reducing technical debt for the team.

KEY PROJECTS

Domestic Dream — E-Commerce Store

Tech: *ASP.NET Core Web API, Next.js, REST API*

- Built and shipped an end-to-end e-commerce store, from backend product, order, and inventory management to a responsive customer-facing storefront.
- Designed a decoupled architecture with an **ASP.NET Core Web API** backend and a **Next.js** frontend, so the storefront gets fast page loads with independent scaling from the backend.
- Used **Next.js** server-side rendering for the product catalog, improving SEO and initial load speed for customer-facing pages.

Tarabezah — Smart Restaurant Table Reservation System (Web & Mobile)

Tech: *ASP.NET Core 8 Web API, SQL Server, React, React Native*

- Designed a real-time reservation and table management system with interactive SVG-based floor plans and table-merging logic, providing staff a flexible, visual way to manage seating.
- Enabled live synchronization across multiple devices, keeping front-of-house staff aligned on table status during service.

Additional Projects: Real-Time Chat Application — one-to-one/group messaging with **SignalR** and **JWT** auth (**ASP.NET Core 9**, **Angular 19**) · Legacy E-Commerce Web App (**PHP**, **MySQL**, **Bootstrap**)

EDUCATION

Bachelor of Science in Computer Science — University of Sindh, Jamshoro | Jan 2020 – Jan 2024 | CGPA: 3.3

CERTIFICATIONS

- **ASP.NET Core Web API** 7 (Advanced).
- **ASP.NET Core** MVC 6 — Udemy.
- **ASP.NET Core** 6 — Aptech Academy.
- **C#** (OOP) — Aptech Academy.
- **HTML5**, **CSS3** & **Bootstrap** — Udemy.