MUHAMMAD FAHAD

Senior Full Stack Engineer | .NET · Angular · Blazor

+92 300 9400997 | fahadgr9@gmail.com | Lahore, Pakistan

Open to Relocation (EU) & Remote | Requires visa sponsorship (EU Blue Card)

linkedin.com/in/muhammad-fahad-gr | github.com/Fahad-0997

PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 8+ years of experience building web, SaaS and mobile applications with .NET, C#, Angular and Blazor, deployed on Microsoft Azure and Docker. Delivered healthcare SaaS for South Africa, web apps for Australian clients and a microservices-based government platform, often owning solutions end to end, from requirements to production. Experienced in secure third-party integrations covering identity verification, e-invoicing and payments.

KEY HIGHLIGHTS

- **Government platform:** Owned all third-party integrations (biometric ID verification, tax authority, payment gateways) for Punjab's land record system, built as 14 .NET 8 microservices and live at 500+ service centers.
- **SaaS:** Single-handedly built a dealership management SaaS from scratch, covering vehicle and parts sales, service jobs and billing.
- **Healthcare:** Maintaining a hospital management SaaS on Azure in South Africa, used by 100+ doctors for 1,000+ patients.
- **Modernization:** Took a dairy ERP from paper and desktop to web and mobile, with real-time e-invoicing.
- **Performance:** Cut report load time from 10 minutes to 1.5 minutes, and recovered 6 months of data after a ransomware attack.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, Python, SQL, HTML5, CSS3

Backend: .NET 8, ASP.NET Core, ASP.NET Web API, ASP.NET MVC 5, ASP.NET Zero, Entity Framework, LINQ, Dapper, SignalR, Django, Django REST Framework, RESTful APIs, Swagger / OpenAPI, JWT Authentication

Frontend: Angular (up to v18), RxJS, NgRx, Blazor Server, Blazor WebAssembly, Syncfusion, Bootstrap, jQuery

Mobile: .NET MAUI Blazor Hybrid, Android, Offline-first Apps, Data Synchronization

Architecture: Microservices, Ocelot API Gateway, Clean Architecture, Multi-tenant SaaS

Databases: Microsoft SQL Server, PostgreSQL, SQLite, MongoDB, Redis

Cloud & DevOps: Microsoft Azure, Azure DevOps, CI/CD Pipelines, Docker, IIS, Git

Testing: Unit Testing, xUnit, NUnit, Jasmine, Jest

Practices: SOLID Principles, Design Patterns, Agile / Scrum, CI/CD

Integrations: National ID & biometric verification (NADRA), tax authority e-invoicing & challan verification (FBR), government payment gateways (ePay, Payzen), ServiceM8 API, Shopify migration, biometric devices, thermal printers

Reporting: Crystal Reports, Syncfusion Reports & Grids, Financial Reporting

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Etechtics Software Solutions, Lahore | Feb 2026 – Present

Building and maintaining SaaS products for international clients, in a team of 6 engineers.

Hospital Management System (SaaS, South Africa) | *.NET, ASP.NET Zero, Angular, Azure*

- Platform used by 100+ doctors for 1,000+ patients.
- Modules: patient records & history, consultations, surgeries and email notifications.
- Fixed failing Azure deployments by upgrading a deprecated framework version.
- Resolved a production email outage caused by changed service URLs.
- Built duplicate-patient detection on ID number, date of birth and contact details.

Dealership Management System (SaaS) | *Angular, Python, Django REST Framework, PostgreSQL*

- Designed and built single-handedly, from scratch to production.
- Modules: vehicle sales & purchase, parts sales & purchase, service jobs and billing.
- Added speech-to-text input using the browser's speech recognition API.
- Enabled direct thermal receipt printing, with a one-click installer for shop staff.
- Delivered multi-language support, Excel import/export and PDF reports.

Senior Software Engineer | LMKR, Lahore | Apr 2025 – Feb 2026

Worked on a World Bank-funded project to modernize Punjab's land record system, as part of a 30+ member team.

Land Record Modernization (Government of Punjab) | *.NET 8, Microservices, Ocelot API Gateway, Docker, SQL Server, Angular 18*

- Platform live across Punjab at 500+ service centers, built as 14 microservices behind an Ocelot API Gateway.
- Owned all third-party integrations, built as a dedicated microservice.
- Designed a secure integration wrapper hosted in a whitelisted environment.
- Built the applicant registration and property transfer flows.
- Integrated biometric devices for in-person citizen verification.

- Integrations built: **national ID biometric verification** (NADRA: CNIC and thumb impression), **government fee payments** (ePay), **non-government fee payments** (Payzen), **tax challan verification** (FBR) and contact number verification.

Freelance Full Stack Developer | Remote (Australian Client) | Jan 2024 – Dec 2024

KrazzyKeys & WiperWorx | *Blazor Server, C#, .NET, ServiceM8 API*

- Delivered two Blazor Server web applications for an Australian client running two automotive businesses.
- **KrazzyKeys:** Built a sales management web app for an automotive key-cutting business.
- **KrazzyKeys:** Developed a vehicle compatibility finder that returns matching keys and prices from a car's make, model and year.
- **KrazzyKeys:** Integrated the app with ServiceM8 to connect sales with the client's job management workflow.
- **WiperWorx:** Migrated the public e-commerce website from Shopify to a custom Blazor application.

Lead .NET Developer | Prema, Lahore | Jun 2019 – Apr 2025

Developed and modernized Prema's in-house ERP for its dairy business, in a 4-member team. Tech: ASP.NET MVC 5, Blazor, Blazor Hybrid, SQL Server, IIS, Syncfusion, Crystal Reports.

Dairy ERP: Desktop to Web & Mobile | Jun 2019 – Apr 2025 | *ASP.NET MVC 5, IIS, SQL Server, Crystal Reports*

- Migrated the desktop ERP to the web (ASP.NET MVC 5 on IIS), giving users online access.
- Modules: Sales (50+ users), Inventory, Purchase and Financial Accounting (FAS).
- Replaced paper invoices with mobile invoicing, thermal printing and real-time upload, eliminating daily manual data entry.
- Cut Crystal Report load time from **10 minutes to 1.5 minutes**.

Salesman Distribution App | Aug 2024 – Feb 2025 | *.NET MAUI Blazor Hybrid, C#, Entity Framework, SQLite, Android*

- Single-handedly rebuilt the salesmen's Java mobile app as an offline-first Blazor Hybrid Android app, used daily by **100+ salesmen**.
- Implemented daily server sync for parties, rates, discounts and salesman profiles into a local SQLite database.
- Enabled offline billing, with bills saved on the device and auto-uploaded to the server once online.
- Integrated **tax authority e-invoicing** (FBR Digital Invoicing) so every bill was reported automatically when uploaded.
- Used Entity Framework for data access, keeping one consistent data layer across offline and online flows.

Financial Accounting System | Jan 2023 – Dec 2023 | *Blazor Server, C#, Syncfusion, SQL Server*

- Rebuilt the desktop Financial Accounting module in Blazor Server, using Syncfusion components for grids and reports.
- Designed a hierarchical Chart of Accounts as the foundation for all financial transactions.
- Implemented 5 voucher types with double-entry posting into the general ledger.
- Developed account ledgers with transaction-level drill-down and running balances.
- Generated core financial statements: Trial Balance, Balance Sheet and Profit & Loss.

Multi-Tenant Inventory System | Jul 2020 – Dec 2022 | *ASP.NET MVC 5, C#, SQL Server, Crystal Reports*

- Single-handedly built a multi-tenant web app managing inventory for a dairy farm and a production plant.
- Implemented multi-tenancy on a single shared SQL Server database with tenant-level data isolation.
- Developed the end-to-end inventory flow: Inward Gate Pass, GRN, Store Requisition, Store Issuance and Outward Gate Pass.
- Replaced Excel-based records, giving head office (100 km away) real-time visibility of farm and plant operations.
- Built Crystal Reports for daily milk production, herd status, cost per litre and packing material loss.
- Solved complex costing logic by combining inventory consumption and production data into per-unit costs.

Ransomware Data Recovery | Sep 2021

- Recovered 6 months of lost sales data after a ransomware attack, converting PDF reports to Excel with OCR and re-importing the data.

Spare Parts ERP

- Built purchase, sales and inventory management for a spare-parts business.

.NET Developer | System Nexgen, Lahore | Jun 2018 – Mar 2019

Worked on custom ERP and automotive solutions for enterprise clients.

Suzuki Motors: Admin Panel | *ASP.NET MVC, SQL Server, jQuery*

- Built the admin panel and APIs behind Suzuki's customer mobile app, in a 2-member team.
- Managed test drive bookings, service appointments, and new vehicle launches and prices.

Smart Business Suite: Chemical Industry ERP

- Fixed bugs across sales, purchase, inventory and payment modules, and modernized the UI with Bootstrap.

EDUCATION & TRAINING

MSc Information Technology | University of Education, Lahore | Jun 2016 – May 2018

ASP.NET Specialist | EVS Professional Training Institute, Lahore | Jun 2018 – Nov 2018

ASP.NET MVC 5, .NET Core, Microsoft SQL Server

LANGUAGES

English: Professional working proficiency | **Urdu:** Native