

Eng. Malik Hamza Javed

Senior Full-Stack AI Software Technical Lead

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PROFILE

Senior full-stack and AI engineer with {years}+ years of experience in .NET, microservices and LLM-based systems. Led development of Pakistan's World Bank-funded national e-procurement platform; currently leading AI integration at the University of Business & Technology, Jeddah. Open to relocation within the EU and to visa sponsorship.
Availability: relocation within the EU, remote, contract or permanent

PROFESSIONAL EXPERIENCE

Feb 2024 – present 2 yrs, 7 mths	University of Business & Technology Jeddah, Saudi Arabia Senior Software Engineer – AI Technical Lead Leading AI integration across academic and administrative systems for 5,000+ students; moved legacy platforms to a service-based architecture, improving performance by 40%+ across six departments. C# • .NET Core • Oracle • SQL Server • LangChain • Python • FastAPI • React • Flutter • Azure
Feb 2023 – Feb 2024	HFMA – Healthcare Financial Management Association Illinois, USA • remote Senior Software Development Engineer Led backend development and Salesforce integrations for 10,000+ members; built .NET 8 minimal APIs and Azure CI/CD with Jenkins and Docker. .NET 8 • Minimal APIs • Dapper • EF Core • Salesforce • Stripe • Azure • Docker • Jenkins
Aug 2022 – Feb 2024	Abacus Consulting Islamabad, Pakistan Managing Consultant (May 2023 – Feb 2024) Senior Consultant (Aug 2022 – May 2023) Led development of the Federal and Baluchistan PPRA procurement portals: 8+ microservices, dynamic forms, digital tendering and ML.NET automation. .NET 6 • Microservices • Angular • SQL Server • ML.NET • Jenkins • SonarQube • NGINX
May 2021 – Aug 2022	Scorpbite Technologies (SCT Group) Islamabad, Pakistan Senior Software Engineer (Dual Stack) Full-stack delivery with ASP.NET Core and Angular, including Venddey's marketplace, real-time chat and notifications. ASP.NET Core • ASP.NET MVC • Angular • SignalR • Twilio • SQL Server
Jul 2018 – Jun 2021	Nayel Solutions Islamabad, Pakistan Development Team Lead (Apr 2020 – Jun 2021) .NET Developer (Nifty-Sphere) (Jul 2018 – Apr 2020) Grew from developer to team lead; shipped a learning management system and core ERP modules on ASP.NET Core MVC. ASP.NET Core MVC • ASP.NET MVC 5 • SQL Server • Entity Framework

KEY PROJECTS

- Federal & Baluchistan PPRA — national e-procurement** Government of Pakistan · World Bank-funded · Abacus Consulting
Public procurement across Pakistan ran on paper and disconnected tools. Tenders were slow to publish, hard to audit and closed to many vendors. Live nationwide and serving 500+ vendors. Automation cut manual procurement processing time by around 50%.
- UBT AI Assistant** University of Business & Technology, Jeddah
A retrieval-augmented assistant that answers student and staff questions from university documents. Built with LangChain, ChromaDB/FAISS, FastAPI and React on Azure. Around 70% faster responses to student queries, for a university of 5,000+ students.
- AI agent ecosystem** Personal project
Eight specialised agents — architect, requirements writer, database, .NET API, React, Flutter, QA and improvement — that plan, generate and validate full-stack software from a short brief. Every run goes through a written specification and a QA gate before any code is accepted.
- HFMA enterprise integrations** Healthcare Financial Management Association, Illinois · remote
.NET 8 minimal APIs with Dapper and EF Core, connecting the association's platform to Salesforce, Stripe, Credly and Thought Industries. Serves 10,000+ healthcare finance professionals; Docker and Jenkins pipelines cut deployment time by 30%.
- AcademyOnClick & ErpOnClick** AlRiyada College of Health Sciences, Saudi Arabia
A complete academic management system and ERP with seven portals: academic, student, faculty, library, admission, finance and administration. Runs the college's academic and back-office operations in one system.
- Venddee automotive marketplace** US and Canadian market · Scorpbite Technologies
A marketplace for buying and selling vehicle wheels, with real-time verification, batch processing, multi-role dashboards and SignalR/Twilio chat and notifications. One of the first platforms of its kind for the Canadian market.

SKILLS

Backend	.NET 8, ASP.NET Core, C#, Web API, Minimal APIs, Dapper, Entity Framework Core, LINQ, SignalR, Python, FastAPI
AI & ML	LangChain, LangGraph, CrewAI, MCP, RAG, ChromaDB, FAISS, ML.NET, OpenAI, DeepSeek, Claude
Frontend	Angular, React, TypeScript, JavaScript, Razor, HTML, CSS, Tailwind
Mobile	Flutter, Dart
Databases	SQL Server, PostgreSQL, Oracle, MongoDB
Cloud & DevOps	Azure (VMs, Functions, Blob Storage), AWS (Lambda, S3), Docker, Jenkins, CI/CD, NGINX, IIS, HashiCorp
Architecture	Microservices, CQRS, Multi-layer, MVC, MVVM, Generic repository
Integrations	Salesforce, Stripe, Credly, Twilio
Quality & tooling	SonarQube, Selenium, JMeter, Git, Azure DevOps, Jira, Bitbucket

EDUCATION

- BS Computer Science** · Air University, Islamabad · 2016 – 2020
Best Programmer of the Batch, 2019

LANGUAGES

- English — professional working proficiency · Urdu — native
· Arabic — basic

CERTIFICATIONS & AWARDS

- Agentic AI with LangChain and LangGraph — IBM, Aug 2025
Build Multimodal Generative AI Applications — IBM, Jul 2025
Vector Databases for RAG: An Introduction — IBM, Jul 2025
Saudi Council of Engineers — registered member (Computer Science specialist)