HAMID ANJUM

AI Engineer | Agentic AI Architect

Full-Stack Development | DevOps | Technical Leadership

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PROFESSIONAL SUMMARY

Technology leader with **16+ years of experience** delivering web, mobile and enterprise systems across Saudi Arabia. Combines hands-on full-stack development with team leadership, system integration and DevOps delivery across higher education and government environments. Current work at UBT focuses on **agentic AI, MCP integrations, retrieval-augmented generation (RAG) and private LLM deployment**, connecting AI capabilities to practical academic and business workflows. Experienced in modernising legacy applications, building reliable data-driven platforms and guiding delivery from requirements through production.

PROFESSIONAL EXPERIENCE

Team Lead | Lead Senior AI & Full-Stack Developer

03/2019 - Present

University of Business and Technology (UBT) | Jeddah, Saudi Arabia

AI & intelligent automation | Recent focus

- **Agentic academic automation:** Built multi-agent workflows with Claude API, CrewAI and LangChain, reducing repetitive manual work by approximately 60%.
- **MCP & natural-language reporting:** Implemented MCP servers and a natural-language-to-SQL layer for Oracle/SQL data, enabling staff to retrieve information, generate reports and trigger actions through conversational requests.
- **Private academic knowledge assistant:** Developed a RAG solution using Ollama and vector search to answer student and staff questions from university documents while keeping data on campus.

Enterprise platforms & delivery leadership

- **Academic platforms:** Delivered the Students Academic Portal with React and Web API, the Academic Requests system with Angular and .NET Core, and a Flutter mobile app for push notifications.
- **Application modernisation:** Migrated legacy applications to .NET Core, containerised services with Docker and established GitHub Actions CI/CD pipelines.
- **Team leadership:** Managed four outsourced developers, coordinating sprint planning, code reviews and stakeholder reporting across seven colleges.

TOOLS & TECHNICAL SKILLS

Agentic AI, MCP, RAG, LLM orchestration, prompt engineering, Claude API, OpenAI API, LangChain, CrewAI, n8n, Ollama, NL-to-SQL; ASP.NET Core, C#, React/TypeScript, Angular, Flutter/Dart, Python, REST APIs; Oracle, SQL Server, PostgreSQL; Docker, CI/CD, GitHub Actions, JWT/OAuth2.

PROFESSIONAL EXPERIENCE | CONTINUED

Senior Software Engineer
09/2014 - 03/2019

Al Alamiah Internet and Communications | Jeddah, Saudi Arabia

Umrah and Hajj Applications

- **Ministry of Umrah and Hajj platform:** Developed and maintained government applications handling millions of candidate records through Oracle-based data pipelines.
- **System architecture:** Applied Clean Architecture and CQRS to support maintainable services and demanding government workloads.
- **Government integrations:** Connected Java Messaging System (JMS) with ASP.NET MVC for real-time notifications and integrated the government GDS booking system.
- **Operational applications:** Delivered a Ticket and Job Management System, an Employee Appraisal application and a Flutter Android app for request-status notifications.

TOOLS & TECHNICAL SKILLS
Angular, C#, ASP.NET MVC, .NET Core, Oracle, SQL Server, Python, Flutter; Clean Architecture, CQRS, JMS, GDS integration and enterprise data pipelines.

Web Developer
10/2012 - 09/2014

BTAT | Jeddah, Saudi Arabia

- **HR, payroll & attendance:** Managed enterprise systems supporting more than 2,000 employees.
- **Employee self-service & finance:** Built the HR self-service portal, finance module and management reports using C#, ASP.NET MVC, SQL Server and Oracle.
- **Web & interface design:** Developed company websites and created interface assets with Adobe Photoshop and Illustrator.

TOOLS & TECHNICAL SKILLS
C#, ASP.NET MVC, SQL Server, Oracle, HR/payroll systems, reporting, web development, Adobe Photoshop and Illustrator.

EDUCATION

E-Degree: Artificial Intelligence and Machine Learning | 02/2020 - 01/2021
EDUONIX USA (Online)

Diploma in Advanced Computer Programming (2 Years) | 07/2008 - 11/2010
Skill Development Council, Karachi

Bachelor of Science in Computer Science and Programming | 01/2001 - 05/2004
University of Karachi

CERTIFICATIONS & PERSONAL INFORMATION

Certifications: Microsoft Certified Application Developer (MCAD); Database Development, NED University; AI and Machine Learning E-Degree, EDUONIX USA.

Nationality: Pakistani | **Visa:** Valid Saudi Iqama
Marital status: Married | **Gender:** Male