FAIZAN AZHAR

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PROFILE

I am a dedicated software developer who loves creating high-quality products in competitive environments. I'm committed to innovation and always seeking new challenges and opportunities.

EXPERIENCE

Senior Software Engineer (Full Stack) & Technical Consultant - Tekenable ltd Remote, Ireland Feb 2022 - Present

- Successfully led and delivered **EPassport ERA**, managing end-to-end development, requirements gathering, user story creation, and weekly client demos.
- Designed and maintained **Power Apps solution pipelines** across multiple environments.
- Built **custom connectors in C#** to extend Power Apps capabilities and integrate external systems.
- Engineered a **media streaming service** and third-party **media broadcasting endpoints** for France and the UK.
- Developed a **five-level horse pedigree visualization** using **PCF with React and React Query**.
- Implemented **CI/CD pipelines** for **Azure Functions** and **PCF components**, enhancing deployment efficiency.
- Delivered a **successful POC – "Chat with Docs"**, utilizing **Azure OpenAI**, **Azure Document Intelligence**, and **Azure Cognitive Search**, later extended into a client solution.

AI Engineering Focus & Projects

- Actively engaged in **AI-driven development**, building **intelligent chatbots**, **agent-based workflows**, and **automated business processes**.
- Developed **Proofs of Concept (POCs)** leveraging **Retrieval-Augmented Generation (RAG)**, **Knowledge-Augmented Generation (KAG)**, and **Graph-based AI applications** to enable advanced contextual reasoning.
- Designing **multi-agent systems** using **Azure Agentic Framework**, **LangChain**, and **LangGraph** for orchestrating specialized agents across workflows.
- Optimizing **memory-efficient agentic architectures** with **KV Cache**, improving performance and resource utilization.
- Experienced with **Azure AI Foundry** for deploying, managing, and fine-tuning **LLM-based applications**.
- Worked extensively with **AI models** such as **GPT (OpenAI)** and **Claude (Anthropic)**, selecting and tuning models based on business and technical requirements.
- Proficient across **Python frameworks**, including **FastAPI**, **Django**, and **Flask**, for developing scalable AI and backend services.
- Building **end-to-end AI applications** integrating **LLMs**, **vector databases**, and **workflow orchestration** tools for enterprise use cases.
- Skilled in modern frontend development with **React**, **Vite**, and **TypeScript**, ensuring high-performance, responsive user interfaces.

Tech Stack:

Azure OpenAI, Azure Cognitive Search, Azure AI Foundry, Azure Agentic Framework, LangChain, LangGraph, Python (FastAPI, Django, Flask), .NET, React, Vite, Angular, Power Apps, Azure Functions, Docker, DevOps, RAG, KAG, Graph-based AI

Full-Stack Developer - AlphaSquad   *Onsite, Islamabad Jan 2020 - Sep 2020*

Developed and deployed a major Online Education System for a Saudi client project. Worked with modern technologies.

Tech Stack:

(Node.js, React, React Native, Serverless, GraphQL, Firebase)

Full-Stack Developer – Code Breakers   *Remote, USA   Oct 2020 – Jan 2022*

- Develop the online hotel management system.
- Develop the online taxi system.

(Node.js, React, React Native, Google Maps, Firebase)

Open-Source Contribution

SQL Query Conversion to Sentence using Hugging Face

Built a custom control for Dynamics 365 that converts SQL queries into natural language using the Hugging Face model.

(Dynamics 365 Pcf Control React, FastAPI, Hugging Face, Docker).

CERTIFICATIONS

DP-100: Azure Data Scientist Associate – Microsoft (Jan 2025 – Present)

AI-102: Designing and Implementing a Microsoft Azure AI Solution – Microsoft (Jun 2023 – Present)

PL-200: Microsoft Power Platform Functional Consultant (Oct 2025 – Present)

AI-900: Microsoft Azure AI Fundamentals – Microsoft (Jul 2023 – Present)

PL-900: Microsoft Power Platform Fundamentals – Microsoft (Aug 2023 – Present)

AZ- 900:   Microsoft Azure Fundamentals – Microsoft (Jul 2023 – Present)

Internship

National Centre for Cyber Security, Air University,   **Islamabad May 2020 – Jul 2020**

Analyzed malware using IDA Pro and Ghidra to examine and understand malicious executable files. (IDA Pro, Ghidra, Malware Analysis)

Machine Learning – Air University Center of Smart Data   **Islamabad Sep 2019 – Jul 2020**

Trained machine learning models to identify drug-drug interactions (DDIs) in biomedical texts. Achieved an F1-score of 73%, comparable to leading research in the domain.

(Python, ML, NLP)

EDUCATION

Air University   *Islamabad. 2017 – 2020*

Bachelor of Engineering in Software Engineering *CGPA: 3.01*

Final Year Project

Telecommute Churn Prediction Model   *Islamabad*Jan 2020

- Developed using Python and Django with 95% accuracy in predicting churn. Designed the front-end interface using HTML and CSS. (Python, Django, HTML, CSS)

Academic Projects

- Built a scientific calculator in C++.
- Developed an eBay web scraper using C#.
- Created Handy Crew and Hotel Management System using the MEAN stack.
- Implemented a heart attack prediction model in Python. Created a customer churn prediction model in Python.
- Twitter (X) Sentiment analysis R.