Muhammed Luqmaan Hoosain

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Experience

Full-Stack Software Developer July 2026 – Present
Advania UK *Hybrid - Cape Town*

- Developed features across .NET, React, and Vue.js portals for a telecommunications client platform, shipping new functionality across multiple production releases.
- Built AI-powered product features using Azure AI Foundry, integrating multiple LLMs for image recognition and developing custom AI code agents with tool-calling, and Model Context Protocol (MCP) server integrations.
- Built and shipped an internal developer tools portal for a 15-person engineering team, and took ownership of production support tasks and critical bug fixes to help prevent outages.
- Collaborated with stakeholders, QAs, and UI/UX designers throughout the feature development lifecycle, and mentored new joiners on team processes and codebase onboarding.

Full-Stack Software Developer July 2023 – June 2026
Onsight Software *Remote*

- Developed and maintained portal applications using .NET and Vue.js, contributing to the introduction of a new, modernized portal to replace a legacy system.
- Wrote SQL queries to support reporting functionality, managed Linux servers, and monitored Azure infrastructure via Azure Monitor to support uptime and proactive issue detection.

Technical Skills

Languages & Frameworks: C#, .NET, TypeScript, JavaScript, Vue.js, React.js, Node.js, SQL, HTML/CSS, Bash

AI & LLM Engineering: Azure AI Foundry, LLM Integration, RAG, AI Agents & Tool-Calling, Model Context Protocol (MCP), OpenCode, Prompt Engineering

Cloud & DevOps: Cloudflare (Workers, D1, Durable Objects), Azure, AWS, Terraform, Kubernetes, Docker, Coolify, Github Actions, Jenkins, Git, Grafana

Education

Cape Peninsula University of Technology Cape Town, ZA
Diploma Information and Communication Technology, Software Development *2021 – 2023*

Certifications

Microsoft Certified: Azure Administrator Associate (AZ-104)

Projects

Cite (Multi-tenant RAG knowledge assistant) | *(PostgreSQL + pgvector, Cloudflare, TypeScript, Node.js)*

- Built and deployed a multi-tenant retrieval-augmented generation platform serving isolated workspaces with their own knowledge bases, users, roles and usage limits.
- Exposed each workspace through a MCP server so AI clients can query company knowledge with scoped tokens; deployed on Coolify with Cloudflare R2 object storage.
- Added production quality controls: per-workspace golden questions that run on a schedule and request audit logging.

ModelWatch | *React, Node.js, PostgreSQL, Qdrant, OpenAI, RAG*

- Built an LLM cost and utilization tracking platform, tracking spend across any AI model, split by tenant and sliceable per feature for granular cost insights.
- Implemented configurable budgets and alerting via email and webhooks, plus a RAG-powered insights feature using Qdrant and OpenAI that lets users ask natural-language questions about usage trends over time.
- Exposed an MCP server surfacing the platform's tools, enabling other clients and agents to integrate directly with the tracker.