SAIF ALRAMAHI

AI Engineer | PhD Researcher

+44 7309 386363 | sbramahi99@hotmail.com | linkedin.com/in/saifalramahi | saifalramahi.vercel.app | Birmingham, UK

SUMMARY

AI engineer and data platform specialist with 5 years across enterprise delivery and doctoral research, designing and shipping enterprise-scale data and AI systems from governed data platforms for global enterprises to multi-agent AI platforms for programme management offices. Currently building agentic AI capability for a global infrastructure consultancy. PhD research into semantic ontologies for building automation systems grounds a structured approach to knowledge representation and reasoning in AI system design. Independently builds full-stack AI products, agents, and RAG-enabled tools outside of work.

EXPERIENCE

SENIOR CONSULTANT (AI Engineer) **March 2026 - Present**

Turner & Townsend

- Co-designed the operating model and proposition for a new AI service line within Infrastructure Digital, and led AI knowledge-share and training initiatives across the business
- Led requirements gathering and delivery of two proof-of-concept AI features for a commercial intelligence platform (semantic cost classification, invoice reconciliation), validated against real client data with recall/precision at or above 90%
- Led design, build, and deployment of an internal pilot of a multi-agent AI platform on Azure, combining AI copilots with automated workflows across contract management, planning, risk, and cost, with enterprise-grade security
- Represented Turner & Townsend at CBRE Innovate 2026, an international AI hackathon, building and presenting an agentic AI solution to COO-level stakeholders

PHD RESEARCHER **2024 - Present**

Birmingham City University

- Developing a semantic web ontology to improve the evaluation of Occupant-centric Control (OCC) systems in office buildings by integrating cross-domain building information
- Published first-author at EC3 2026 (see Publications)

DATA ENGINEER **September 2021 - February 2024**

Kagool

- Led product discovery and architecture design for a no-code, event-driven platform automating ETL pipelines and business transformation logic end-to-end, from data ingestion through to automated report refresh, removing dependency on engineering support for new data sources
- Contributed to the development, deployment, and management of an in-house SAP data ingestion product automating Change Data Capture, cutting ETL development time from weeks to minutes, with governance controls applied across enterprise deployments to meet compliance requirements
- Built applied AI solutions spanning document intelligence, conversational AI, and computer vision, including a product-discovery chatbot and a video-analysis pipeline for automated construction site risk detection

PROJECTS

Postify - AI-Powered LinkedIn Content Platform (2025)

Built an agent-first Next.js app turning ideas into LinkedIn posts through Gemini LLMs, with AI-driven style analysis for personalised output. Tech: Next.js, Firebase, TipTap, Perplexity API, Gemini API, Vercel AI SDK.

Profylr - AI-Powered Career Companion (2025)

Built a career coaching platform combining intelligent resume building with personalised guidance, integrating LLM-driven feedback into the user workflow. Tech: React, Next.js, TypeScript, Firebase, Gemini API.

PUBLICATIONS

Alramahi, S., Mayouf, M., Del Zendeh, E., Ismail, K. (2026). Towards a Semantic Ontology for Occupant-Centric Building Control. Computing in Construction, EC3 2026. DOI: 10.35490/EC3.2026.205

SKILLS

AI & Machine Learning: LLMs (OpenAI, Anthropic, Google Gemini, Azure AI Foundry), agentic systems, multi-agent orchestration, Microsoft Agent Framework, LangChain, LangGraph, RAG pipelines (embeddings, chunking, vector search), tool-calling, context engineering, semantic web (RDF, SPARQL, OWL, ontology engineering)

Azure & Cloud: Azure AI Foundry, Data Factory, Databricks, Functions, Data Lake, Container Apps, Entra ID / managed identity, Bicep, Document Intelligence, Cognitive Search

Development: Python, PySpark, SQL, React, Next.js, Node.js, TypeScript, Postgres/pgvector, Docker

AI-Assisted Development: GitHub Copilot, Claude Code, custom skill development, agentic coding workflows

Tools: Git, Azure DevOps, CI/CD
Microsoft 365 & Power Platform: Power Automate, Power Apps, Power BI, SharePoint

EDUCATION

PhD in Building Automation Systems, Birmingham City University, 2024 - Present
MSc Renewable and Sustainable Energy Technologies, Northumbria University, 2020 - 2021

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals
Microsoft Certified: Azure Data Fundamentals
Microsoft Certified: Azure AI Fundamentals

LANGUAGES

English (fluent), Arabic (native)