

Samrudh Anavatti

London, UK

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Portfolio (*self-hosted RAG demo*): [coming soon – https://your-domain.dev](https://your-domain.dev)

AI Engineer

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Summary

AI engineer with experience delivering agent-based RAG and automation use cases in production. Consulting background across the full data life cycle, with strengths in cloud architecture and stakeholder-facing delivery. Comfortable owning end-to-end delivery and leading multi-geo teams from discovery and design through implementation, evaluation, and deployment.

Skills

AI Engineering:	LangChain, RAG architectures, Agentic workflows with LangGraph, React agents, Prompt engineering, Retrieval evaluation with LangSmith, Guardrails
Cloud & DevOps:	Microsoft Azure, AWS, Kubernetes, Docker, Terraform, CI/CD, Monitoring, Networking, Authentication
Data Eng & BI:	Microsoft Fabric, Azure data services, Power BI, Data modelling, ETL/ELT pipelines, Data governance
Languages & Tools:	Python, SQL, TypeScript, CSS
Certifications:	DP-600 Microsoft Fabric Analytics Engineer, PL-300 Power BI Data Analyst

Experience

Department of Defence (Phoenix Solutions)

AI Engineer

London, UK

Feb 2025 – Present

- Designed a multi-pipeline agentic RAG system with specialised React Agents for query understanding, retrieval, and critique-and-generation, orchestrated using LangChain and LangGraph.
- Implemented AI systems with a microservice Docker architecture, using Ollama as the inference engine and open-source infrastructure components. Now deployed in production for secure use in an air-gapped environment.
- Built two cloud-native AI systems on AWS and Azure, using Kubernetes for container orchestration and Terraform/Bicep templates for infrastructure-as-code across storage, compute, and application services.
- Applied software engineering best practices, including CI/CD, automated testing, and security-focused DevSecOps controls, managing cloud and on-prem networking, access control, and authentication.

Deloitte Australia

Consultant, Cloud & Data Engineering

Canberra, Australia

Nov 2021 – Dec 2021; Feb 2023 – Jan 2025

- Built BI and data-engineering solutions for NAB Business and Private Banking, including 6 Power BI dashboards, 13 Fabric pipelines, and a business-approved data model used for sales, revenue, lead, and risk reporting.
- Led data-governance and management work for Queensland Investment Corporation, raising critical data risks and building a register of 400+ data assets to improve stewardship and visibility across private equity, debt, infrastructure, and natural capital portfolios.
- Worked directly with executives and technical teams across five Australian federal government agencies as an Azure specialised engineer, to scope, design, and present analytics, reporting, and scalable architecture solutions.

Education

Australian National University (ANU)

Bachelor of Engineering (Hons)

Canberra, Australia

Jan 2019 – Nov 2022

- Recipient of the ANU College of Engineering and Computer Science Excellence Scholarship.
- Published IEEE conference paper on optimising a shared battery model to reduce carbon emissions, based on honours thesis work presented at the IEEE Sustainable Power and Energy Conference ([IEEE Xplore](#)).
- Systems Engineering Tutor: ran laboratories, managed assessments, and created [YouTube-based Python Tutorial](#).

Other

Early Technical Experience: Infosys ML intern building an LSTM-based health-bot proof of concept for IT delivery failure prediction.

Volunteering: Taught primary school kids as an English Teacher in Chiayi, Taiwan for 3 months

Right to work: Eligible to work in the United Kingdom under the Youth Mobility Scheme visa. References available upon request.