



# SUKHDEV VYASH

AI Platform Architect | Platform Architect | DevOps Architect | Cloud & AI Transformation Leader

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Open to relocation - Europe & UK

## EXECUTIVE SUMMARY

Platform Architect with 11+ years designing secure, scalable cloud platforms across Microsoft Azure and AWS. Now leading the shift into Enterprise AI Platform Architecture on Microsoft Azure AI Foundry. Delivers ~£100K in annual cloud savings and 99.95% platform availability through enterprise-scale landing zones, multi-cluster Kubernetes platforms, and FinOps practices. Builds governed, secure AI platforms — guardrails, content filtering, responsible-AI controls — enabling safe enterprise adoption of Azure OpenAI and agentic AI. Enterprise AI certified (Microsoft Azure AI Apps and Agents Developer Associate – AI-103), alongside Azure Solutions Architect Expert and AWS Certified Solutions Architect.

## KEY ACHIEVEMENTS

- Delivered ~£100K in annual cloud savings by building a FinOps practice from scratch — rate optimization, rightsizing, showback/chargeback governance
- Sustained 99.95% platform availability across enterprise cloud infrastructure for two BFSI clients and one health-sector client
- Cut deployment cycle times 40%+ and infrastructure provisioning time 60% by modernizing CI/CD and Kubernetes platforms (AKS, GitOps, KEDA)
- Established governance and compliance guardrails (NIST, HIPAA, PCI-DSS) across Azure and AWS landing zones for enterprise clients

## CORE COMPETENCIES

**Enterprise AI:** Azure AI Foundry · Azure OpenAI · Agentic & Multi-Agent AI · Retrieval-Augmented Generation (RAG) · Secure AI Architecture · AI Governance & Responsible AI · Prompt Engineering · LLMOps

**Cloud Platform Architecture:** Microsoft Azure · AWS · Azure Landing Zones (CAF) · Enterprise Architecture · Hybrid Cloud · Cloud Migration

**Platform Engineering:** Kubernetes (AKS) · Docker · Helm · GitOps · Platform Reliability · Observability · High Availability & Disaster Recovery

**Cloud Security & DevSecOps:** Zero Trust · Microsoft Entra ID · Azure Policy · Azure Key Vault · Microsoft Defender

**Infrastructure as Code & Automation:** Terraform · CloudFormation · Azure DevOps · GitHub Actions · CI/CD · Cloud Automation

**FinOps & Governance:** Cost Optimization & Forecasting · Cloud Governance · Regulatory Compliance (NIST, HIPAA, PCI-DSS)

**Leadership:** Executive & Stakeholder Communication · Enterprise Modernization · Technical Mentorship

## SELECTED ENTERPRISE PROJECTS

### Enterprise AI Platform — Microsoft Azure AI Foundry

- Architected a production AI/LLM platform with governance guardrails and cost controls, forming the technical foundation for the company's AIOps initiative

### Azure Enterprise Scale Landing Zones & Multi-Cloud Governance

- Established CAF-aligned Azure and AWS baselines defining policy-as-code and compliance guardrails for regulated enterprise clients

### FinOps Cost Optimization Practice

- Built a cost monitoring, forecasting, and showback/chargeback capability from the ground up for enterprise cloud accounts

### Enterprise Kubernetes Platform (AKS)

- Delivered multi-cluster AKS federation with KEDA autoscaling and GitOps-driven delivery workflows

## Zero Trust Security Architecture

- Implemented Entra ID conditional access, identity governance, and micro-segmentation across enterprise cloud environments

## PROFESSIONAL EXPERIENCE

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### DevOps Architect / Chief Engineer | Rackspace Technology

Jan 2021 – Present

Senior technical lead for cloud platform architecture, FinOps, and Enterprise AI adoption

- Architected secure, cost-efficient cloud platforms across Azure and AWS for enterprise clients, aligning platform strategy with business and IT roadmaps
- Established an Enterprise AI Platform on Microsoft Azure AI Foundry — guardrails, content filtering, and cost governance — enabling safe, production-grade generative AI adoption; led the AIOps initiative
- Built a FinOps practice from scratch, delivering ~£100K in annual cloud savings through rate optimization, rightsizing, and showback/chargeback governance
- Designed Azure Enterprise Scale Landing Zones and AWS CAF baselines, embedding governance, policy-as-code, and compliance across NIST, HIPAA, and PCI-DSS requirements
- Modernized CI/CD pipelines (Azure DevOps, CircleCI, GitLab), accelerating deployment cycles by 40%+
- Implemented Zero Trust architecture via Entra ID conditional access and identity governance, strengthening enterprise security posture
- Architected multi-cluster Kubernetes platforms as AKS subject-matter expert, implementing KEDA autoscaling and GitOps-driven delivery workflows
- Automated infrastructure delivery via Terraform, Ansible, and CloudFormation; enforced policy-as-code with Checkov
- Guided business and technical stakeholders on cloud and AI investment decisions, translating platform capability into measurable outcomes for two BFSI clients and one health-sector client

### DevOps Engineer | NICE Interactive Solutions

Jun 2019 – Dec 2020

- Reduced infrastructure provisioning time by 60% using Terraform and CloudFormation for AWS infrastructure
- Built CI/CD pipelines (Jenkins, CircleCI) and implemented EKS container orchestration in an Agile delivery model
- Centralized logging and monitoring (OpenSearch, Prometheus, Grafana), improving performance visibility and incident response speed

### Cloud Solution Engineer | Bentley Systems

Aug 2018 – Jun 2019

- Managed Azure DevOps projects end-to-end from setup to production for multiple enterprise clients
- Automated build and release pipelines (Jenkins, Azure DevOps), supporting Agile DevOps delivery

### AWS Administrator | Infosys

Nov 2015 – Aug 2018

- Managed core AWS services (EC2, S3, IAM, SQS, SNS) at enterprise scale; led Windows Server 2008→2016 migration
- Automated routine AWS operations via CLI scripting, establishing early infrastructure best practices

## CERTIFICATIONS

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**Microsoft:** Azure AI Apps and Agents Developer Associate (AI-103) · Azure Solutions Architect Expert · Azure Administrator Associate · Azure Security Engineer Associate · Azure Network Engineer Associate

**AWS:** AWS Certified Solutions Architect – Associate · AWS Certified Developer – Associate

**HashiCorp:** Terraform Associate

**Other:** Rackspace Multi-Cloud Leader · Generative AI for Business Leaders (Rackspace Certified AI Ready)

## EDUCATION & LANGUAGES

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Bachelor of Computer Applications (BCA) – Computer Science, OIMT Rishikesh, India | 2015

Languages: English – C2 (Proficient) | Hindi – Native