

HARSHA YAMAZALA

Platform (DevOps) Engineer | Cloud Architect | CKA & AWS Professional |  Reading, UK |
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EXECUTIVE SUMMARY

Strategic Platform Engineering Leader with 10 years of experience architecting resilient, cloud-native ecosystems for Tier-1 financial institutions. Expert in building Internal Developer Platforms (IDP) using Kubernetes (CKA), Istio Service Mesh, and Azure Edge Networking. Specialist in securing enterprise-scale APIs through Azure APIM and orchestrating sophisticated traffic ingress via Application Gateway (WAF). Proven track record in orchestrating multi-cloud migrations while maintaining +99.9% uptime and implementing rigorous FinOps strategies.

CORE COMPETENCIES

- **Networking & Ingress:** Azure Application Gateway (WAF v2), Azure APIM, Istio Service Mesh, Load Balancers.
- **Cloud Architecture:** Azure (AKS, Hub-Spoke, Key-vault), AWS (EKS, VPC, Lambda), GCP (GKE).
- **Infrastructure as Code (IaC):** Terraform (Modules & Provider management), Ansible, Helm.
- **Orchestration & Tools:** Kubernetes (CKA), Docker, GitOps (ArgoCD/Flux), Unix/Linux.
- **Security & Compliance:** mTLS, OAuth2/OpenID Connect, CyberArk, Azure Policy, Secret Management.
- **Observability & CI/CD:** Jenkins, Azure DevOps, Dynatrace, Splunk, Prometheus, ELK Stack.

ELITE CERTIFICATIONS

- Certified Kubernetes Administrator (CKA)
- AWS Certified Solutions Architect – Professional
- Microsoft Certified: DevOps Engineer Expert
- Google Cloud Certified – Professional Cloud Architect
- HashiCorp Certified: Terraform Associate

PROFESSIONAL EXPERIENCE

PLATFORM (DevOps) ENGINEER | Lloyds Banking Group | London, UK | 2019 – Present

- **Architected** a comprehensive Internal Developer Platform (IDP) on **Azure Kubernetes Service (AKS)**; I have utilized Helm and Terraform to provide developers with "Golden Path" templates that reduced environment setup time by 50%.
- **Designed and maintained** robust **Azure Pipelines** that automate the build, testing, and deployment of internal and 3rd-party Docker containers, ensuring strict security gates are met before production.
- I have engineered a sophisticated traffic management layer using **Azure Application Gateway (WAF v2)** and **Istio Service Mesh**, successfully implementing mutual TLS (mTLS) to achieve a zero-trust networking posture for Tier-1 banking applications.
- **Led** the integration of **Azure Monitor and Log Analytics** into the development workflow, creating custom dashboards and alerting systems that proactively detect infrastructure issues and reduce MTTR.
- **Executed** a high-impact Kubernetes cost-optimization strategy; I have a proven track record of reducing monthly cloud spend by 30% through the orchestration of **Azure Spot Instances** and rightsizing via Kubecost.
- **Authored** automated runbooks and incident response playbooks for containerized environments, ensuring high availability (+99.9%) and facilitating rapid recovery during critical service disruptions.
- **Implemented Azure Policy** and OPA gatekeepers as "Policy-as-Code," ensuring all cloud resources remain 100% compliant with financial regulatory standards.

INFRASTRUCTURE DEVELOPER (DevOps)| PEARSON INC | Senior Infrastructure Developer Chennai, India | Mar 2018 – Feb 2019

- **Cloud Migration & Database Resilience:** Collaborated with the infrastructure team to migrate on-premise VMWare workloads to AWS; spearheaded a project to improve **SQL Server redundancy**, implementing Always On Availability Groups to enhance database performance and availability.
- **Containerization Strategy:** Defined and executed the global Docker containerization strategy, ensuring application portability across on-premise and cloud environments while maintaining strict security baselines.
- **Collaborative Design:** Acted as a bridge between Dev and Ops to integrate automated testing frameworks into the workflow, ensuring that quality gates were met before software reached production.

CHARTER COMMUNICATIONS | DevOps Engineer St. Louis, USA | Jan 2016 – Jan 2018

- **Hybrid Cloud Delivery:** Integrated **Terraform with Puppet** to automate the provisioning of telecommunications web services in an **OpenStack** environment.
- **Performance Engineering:** Optimized server deployment strategies to maintain **+99.9% availability** for mission-critical customer-facing portals.

EDUCATION

- **Master of Science in IT Management** | Marist College, New York, USA

