

Rohan Joseph

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Open to immediate relocation • Available for hybrid or on-site role

SUMMARY

Cloud platform engineer with 5+ years designing, building, and operating production infrastructure on AWS and Azure, including 2.5 years at Amazon Web Services. Ran a Kubernetes platform of 80+ EKS and AKS clusters used by 6+ product teams, built Terraform modules governing 1,500+ resources, and delivered Git-based CI/CD with validation and rollback controls. Designs architecture around the AWS Well-Architected pillars with a security-first background in least-privilege IAM, encryption, and secrets rotation. Hands-on with Linux, Python, and Bash automation; partners directly with engineers and stakeholders to drive architecture decisions.

PROFESSIONAL EXPERIENCE

UST GLOBAL, INC.

Senior Cloud Platform Engineer

Norfolk (remote), VA

March 2026 - present

- Lead technical discovery and target-state AWS architecture for migrating an on-premises portal platform to AWS based on AWS Well-Architected Framework, driving decisions across networking, IAM, compute, data, observability, and disaster recovery in a multi-account environment.
- Designed the target container architecture on Amazon ECS Fargate for the Liferay and Node.js application tiers.
- Scoped the SQL Server to Amazon RDS Multi-AZ migration, auditing CLR assembly dependencies to surface blockers and continuity risks before implementation.
- Defined the target observability and security stack, consolidating Splunk to CloudWatch and AppDynamics to Dynatrace, moving credentials to AWS Secrets Manager, and running an ElastiCache Redis proof of concept.
- Prepared stakeholder sessions and discovery workshops that drove architecture decisions and tracked open risks such as network paths to third-party services and compliance sign-offs.

PEARSON EDUCATION, INC.

Platform Engineer

Richmond (remote), VA

June 2023 - Feb 2026

- Owned platform reliability and production operations for 6+ product teams across 80+ EKS and AKS clusters serving approximately 2 million users, including release support, on-call response, incident resolution, and root-cause analysis.
- Built reusable Terraform modules governing 1,500+ cloud resources across AWS and Azure, embedding infrastructure validation and drift controls into delivery pipelines to reduce provisioning time by 60% and prevent configuration-driven incidents.
- Built reusable Terraform modules for Azure Log Analytics Workspaces, standardizing log tables, retention policies, and transformation rules across environments to improve observability while reducing unnecessary ingestion and storage costs.
- Designed and maintained GitOps based CI/CD pipelines in Azure DevOps and GitHub Actions for Kubernetes applications, APIs, batch workloads, and infrastructure changes, using Helm deployments with validation and rollback controls to improve release reliability.
- Led zero-downtime Kubernetes workload upgrades using scripted cutover and rollback sequencing, maintaining platform availability during production changes and periods of 3x peak traffic.
- Led a large-scale secrets and cryptographic key rotation initiative across production environments, coordinating credential and application changes while maintaining service availability and reducing risk from long-lived credentials.
- Improved cloud security by migrating Azure SQL, Storage, and Redis services from public connectivity to private endpoints and modernizing internal applications with SSO-based authentication.
- Drove remediation of Qualys vulnerability findings using Ansible and Azure Update Manager across 250+ Windows and Linux VMs, improving the organization's security score from the low 50s to the high 80s.

DevOps Intern

Cloud Infrastructure Team

May 2022 - August 2022

- Migrated 400+ APIs across 9 environments within 8 weeks using Azure DevOps pipelines and Azure Kubernetes Service, supporting a time-sensitive enterprise platform transition through repeatable, containerized deployments.

AMAZON WEB SERVICES

Security Cloud Engineer

Bangalore, India

February 2019 - July 2021

- Owned cloud security and architecture guidance for 350+ enterprise customers, resolving complex issues across AWS IAM, KMS, ACM, CloudHSM, Cognito, SSO, EC2, S3, and serverless services within strict SLA requirements.

- Designed highly available, fault-tolerant, multi-region AWS architectures for production-critical enterprise workloads with security, scalability, and disaster recovery requirements.
- Developed Python and AWS CloudFormation automation that reduced repetitive customer security workflows by more than 70%, saving multiple engineering hours each week.
- Served as an escalation point for high-complexity cloud security incidents, coordinating with internal AWS service teams to restore service and keep enterprise customers unblocked.
- Mentored interns and junior engineers and delivered training on AWS security services such as IAM, KMS, and Cognito to internal teams and enterprise customers, speeding up onboarding and reducing repeat escalations.
- Earned promotion from intern to associate and then engineer within 2 years through technical ownership, customer impact, and delivery of automation adopted across the team.

TECHNICAL SKILLS

Certifications: NVIDIA Certified Associate - AI Infrastructure and Operations, KCNA, AWS Certified Solutions Architect – Professional & Associate, AWS Security Specialty, AWS Developer Associate, AWS SysOps Associate, HashiCorp Certified Terraform Associate, Azure Administrator, Google Cloud Platform Associate Cloud Engineer, Claude Certified Developer - Foundations

Cloud: AWS (IAM, EC2, S3, VPC, Lambda, KMS, EKS, ECS, ACM, RDS) , Azure, GCP

Programming: Python, Go, Bash, SQL, HCL

Containers & Platform: Kubernetes, EKS, AKS, Docker, Helm

Infrastructure Automation: Terraform, Terragrunt, Ansible, CloudFormation, AWS CDK, Pulumi, OpenTofu

Security & Identity: AWS IAM, KMS, Azure Key Vault, secrets management, SSO

CI/CD: GitHub Actions, Azure DevOps, Bitbucket Pipelines, AWS CodeBuild, Jenkins, ArgoCD

Observability & Reliability: CloudWatch, Azure Monitor, Datadog, Log Analytics, Prometheus, Grafana, Dynatrace, Splunk, AppDynamics

Messaging & Streaming: Apache Kafka, Amazon MSK

Datastores: PostgreSQL, Aurora PostgreSQL, MySQL, DynamoDB, Redis, MongoDB

Networking: TCP/IP, DNS, HTTP/S, TLS/SSL, routing, load balancing, CDN

EDUCATION

INDIANA UNIVERSITY, BLOOMINGTON
Master of Science, Major in Computer Science

Bloomington, IN
2021 - 2023

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Bachelor of Engineering, Major in Computer Science

Belgavi, India
2015 - 2019