PRINCE AKASH

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Bangalore ,Karnataka

SENIOR CLOUD ENGINEER | SOFTWARE ENGINEER 3 @JP MORGAN CHASE

Cloud Engineer with 6 years of experience in designing secure, scalable AWS architectures and automating infrastructure with Terraform and Python. Skilled in cloud networking, security, and resiliency, with hands-on experience integrating Agentic AI for intelligent cloud operations. Focused on delivering high-impact, cost-efficient, and reliable cloud solutions that drive business performance.

STRENGTHS AND EXPERTISE

- AWS Solutions Design
- Networking & Security
- Infrastructure as Code
- Stakeholder & Team Collaboration

- Resiliency & DR Strategy
- Cost Optimization & Performance Tuning
- Cross-Account & Multi-Environment Architecture

- Monitoring & Observability (Datadog, CloudWatch)
- Python Automation & Scripting
- Agentic AI & Cloud Innovation

PROFESSIONAL EXPERIENCE

JP Morgan Chase & Co.

Impact Summary:

Delivered a secure, fault-tolerant, and compliant messaging backbone powering critical payment workflows — improving platform resiliency, operational visibility, and global deployment efficiency.

Initiatve:

Developed Agentic AI–driven S3 automation using Python and AWS SDK for secure, proactive monitoring and reduced manual intervention.

Tech Stack: AWS ,MSK, API Gateway, Private NLB, EKS, CloudWatch, Datadog, Transit Gateway, KMS, Terraform, IAM, AWS Lambda.

Key Responsibilities and Achievements:

- Architected and deployed a multi-environment (Dev, Test, Perf, Prod) **Kafka** platform using **AWS MSK, API Gateway, and Private NLBs, enabling secure, cross-account communication** for distributed applications.
- Automated infrastructure provisioning with **Terraform** to ensure consistent, compliant, and repeatable deployments.
- Designed a **fault-tolerant, highly available architecture with multi-AZ replication, MSK replicator, and Transit Gateway** connectivity for seamless, resilient data flow.
- Implemented s**ecurity best practices** with **AWS KMS encryption**, **AWS Lambda** automation, and l**east-privilege IAM policies** to safeguard sensitive workloads.
- Assisted Application and platform teams with end to end **EKS** integration and **cross-account identity setup** to support application workloads.
- Built **Datadog dashboards and Monitors** along with **CloudWatch alarms**, and automated alerts, enhancing monitoring and reducing MTTD/MTTR.
- Supported resiliency and **DR testing** during TechLive and GoLive phases and authored Day-1/Day-2 runbooks for production support.

Key Responsibilities & Achievements:

- Played a key role in on-prem Kafka migration, maintaining Python-based utilities for automated topic transfer and validation.
- Migrated 1,000+ Kafka topics with zero data loss, ensuring message integrity and high availability across clusters.
- Collaborated with development and platform teams on validation and RCA to ensure consistent topic flow before production rollout.

Worldline Global Services   Client: Tobbaco Directive

- Automated AWS infrastructure provisioning using Terraform, developing reusable modules that reduced provisioning time by 35% and improved deployment consistency.
- Designed and managed **VPC, ASG, Load Balancers, Route 53, and EKS with Ingress, RBAC**, and Autoscaling for a secure, scalable, and highly available setup.
- Automated **EBS encryption** via AWS Lambda (Boto3), ensuring real-time compliance and mitigating data security risks.
- Deployed 10+ containerized microservices using **Docker and Kubernetes**, optimizing builds through multi-stage pipelines.
- Built Jenkins pipelines for automated log archival to S3, cutting storage costs by 20%, and maintained Terraform state and Git branching for smooth collaboration.

Oracle Cerner

- Implemented and maintained CI/CD pipelines in Jenkins using Groovy DSL, integrating SonarQube, Maven, and JFrog Artifactory for end-to-end automation and quality assurance.
- Automated builds via Git Webhooks, ensuring faster and reliable releases across environments.
- Managed Kubernetes deployments with optimized manifest design, Ingress, RBAC, and Argo CD for GitOps-driven rollouts on Amazon EKS.
- Enhanced monitoring with Prometheus and Grafana, reducing critical incidents through proactive visibility.

Infosys   Client: Spotlight Australia

- Configured CI/CD pipelines in Jenkins with Maven and GitHub webhooks for automated build and deployment.
- Deployed internal Java web applications on EC2 using Docker and Docker Compose.
- Managed Kubernetes deployment, auto-scaling, and self-healing to ensure high availability and scalability.

EDUCATION

Siddaganga Institute of Technology, Tumkur, Karnataka

B.E in Engineering (Completed in 2019)

St Joseph International School, Rajasthan Kota

12th Completed in 2015

B.D Memorial International, West Bengal, Kolkata

10th Completed in 2013