

Prakash Palyam

Cloud and DevOps Engineer

✉ prakashpalyam950@gmail.com

<https://www.linkedin.com/in/palyam-prakash-926003198/>

☎ +91 9441740366

Professional Summary

Result-driven Cloud and DevOps Engineer with 4+ years of experience specializing in automating Azure infrastructure, architecting secure and scalable CI/CD pipelines, and deploying Kubernetes-based microservices. Expert in Infrastructure as Code (Terraform, ARM), observability (Prometheus, Grafana, ELK, Splunk), and secure service mesh (Linkerd with mTLS). Adept at streamlining deployments, optimizing costs, and ensuring compliance in cloud-native environments.

Key Skills

- **Cloud Platforms:**
 - Azure** (AKS, VNets, App Gateway, NSG, Firewall, Private Endpoints, Storage, Azure AD, Front Door, DNS)
 - AWS** (EC2, S3, IAM, VPC, Security Groups, EKS, CloudWatch)
- **IaC & Automation:** Terraform, ARM Templates, Azure DevOps Pipelines, Ansible
- **CI/CD & Artifact Management:** Jenkins, Azure DevOps, JFrog Artifactory
- **Containers & Orchestration:** Docker, Kubernetes (AKS/EKS), Helm, Ingress, StatefulSets, ConfigMaps, Secrets
- **Monitoring & Logging:** Prometheus, Grafana, ELK Stack, Splunk, CloudWatch
- **Security & Networking:** Azure Firewall, Linkerd (mTLS), Load Balancers, Security Groups, NACLs
- **Scripting & Programming:** Shell (Advanced), Python, Groovy, Java (Spring Boot – Basic)

Professional Experience

Temenos, Bangalore — *Associate Product Engineer (SaaS Engineering Squad) (March 2022 – present)*

Azure Infrastructure Automation

- Architected production-grade Azure environments with automated provisioning of VNets, AKS, and security components, reducing manual effort by 60%.
- Developed reusable ARM templates and Shell scripts integrated into Azure DevOps pipelines for rapid and consistent deployments.

CI/CD Pipeline for Java Applications

- Designed scalable Jenkins pipelines with JFrog Artifactory integration, improving deployment frequency by 40%.

Infrastructure as Code with Terraform

- Created modular Terraform templates and integrated them into Jenkins pipelines for provisioning Java-based microservices infrastructure.

AKS-Based Microservices Deployment

- Deployed over **15+** microservices using Helm and Kubernetes in AKS, implementing best practices for scalability, observability, and resilience.

Firewall Security for Kubernetes

- Configured Azure Firewall with DNAT/SNAT rules for secured ingress/egress of AKS applications, ensuring compliance with enterprise standards.

mTLS with Linkerd

- Deployed Linkerd for secure, zero-trust communication in Kubernetes with mTLS, improving internal service security posture.

Centralized Monitoring & Logging

- Built centralized observability stack using Prometheus + Grafana for metrics and ELK Stack for logs, improving incident response time by 30%.

Infosys, Bangalore — *Systems Engineer (Jan 2021 – Dec 2021)*

Data Migration to Snowflake

- Migrated large-scale enterprise datasets to Snowflake from on-prem/cloud systems, performing data modeling, schema design, and ETL pipeline development.
- Ensured data integrity, security compliance, and query performance optimization using Snowflake's advanced features like automatic clustering and micro-partitioning.

Certifications

- Microsoft Certified: Azure Fundamentals (AZ-900)
- Simplilearn Certified AWS Solutions Architect - Associate

Education

- B. Tech in Electrical and Electronics Engineering
- Sree Vidya Nikethan Engineering College, Tirupati, Andhra Pradesh
- Graduation: 2020