# Praveen Ayyappa Aketi

*DevOps/SRE Engineer*

✉ aketi.praveen@gmail.com    📞 9849795982    📍 Hyderabad, India

in linkedin.com/in/praveen-aketi

## SUMMARY

DevOps/SRE Engineer with **5.6 years of experience** in **cloud-native operations, CI/CD automation, observability, and multi-cloud deployments** (AWS, Azure, GCP, Kubernetes). Proven ability to **reduce release times (40%), improve reliability (99.9% uptime), and cutting cloud costs (15–20%)** through automation, IaC, GitOps, monitoring and cost governance. Strong background in **incident response, HIPAA-compliant infrastructure, security governance (IAM, RBAC, Azure AD)**, security automation, and observability. Adept at collaborating with cross-functional teams and driving end-to-end DevOps & SRE transformation initiatives.

## Professional Experience

**Inmar Intelligence,**                                          03/2023 – 03/2024 | Hyderabad, India
*Software Engineer (DevOps Engineer/SRE)* ⧉

- Designed & optimized **CI/CD pipelines (GitHub Actions)**, reducing release times by **40%** and improving deployment reliability.
- Deployed & managed **Kubernetes clusters (EKS, AKS)** with auto-scaling, ensuring **99.9% uptime** and seamless scaling of microservices.
- Automated infrastructure provisioning with **Terraform**, reducing environment setup from days to **under 1 hour**.
- Implemented **Redis Sentinel & Cluster** to achieve high availability and failover with **zero downtime**.
- Configured **Prometheus & Grafana dashboards,** reducing mean time to detect (MTTD) by **30%** and mean time to recovery (MTTR) by **25%**.
- Enforced **HIPAA-compliant infrastructure** with encryption-at-rest, IAM security policies, and audit logging.
- Created **Python automation scripts** for log parsing, monitoring integration, and resource cleanup, saving **15+ engineer-hours/week**.
- **Worked closely with development teams** to integrate & manage microservices, ensuring smooth deployments.
- **Utilized Git/GitHub extensively** for version control, conducted code reviews, and integrated **SonarQube** to maintain quality & security.
- Participated in **on-call rotations (PagerDuty)**, leading incident response and root cause analysis to prevent repeat failures.
- Worked within **ITIL-aligned incident**, **problem,** and **change management processes** to ensure reliable service operations.
- Collaborated with **service management tools** (e.g., ServiceNow) for incident tracking, escalation, and post-incident documentation.

**Zscaler Softech India Pvt Ltd,**                              08/2022 – 12/2022 | Hyderabad, India
*Software Engineer 2 (DevOps)* ⧉

- Built **CI/CD pipelines** using Azure Pipelines & GitHub Actions, integrating unit, integration, and **security scans**.

- Designed secure **Azure networking (VNets, NSGs, Load Balancers, App Gateway, Firewall)**, strengthening security posture.
- Deployed apps to **AKS with Helm & FluxCD (GitOps)**, ensuring consistent and version-controlled rollouts.
- Scaled AKS clusters with **Horizontal & Vertical Pod Autoscalers**, optimizing resource utilization by **20%**.
- Developed & tested **disaster recovery strategies** using Azure Backup & Recovery Vaults across geo-redundant zones.
- Implemented **cost governance** (Azure Cost Management, tagging, budget alerts), reducing spend by **15%**.
- Configured **Azure AD, RBAC, and Privileged Identity Management (PIM)** for secure access control.
- **Configured global routing & optimization using Azure DNS & Traffic Manager**, improving performance.
- Collaborated with teams using **Azure DevOps Boards** for sprint planning & project coordination.
- Authored **deployment runbooks & incident response playbooks**, improving resolution consistency.

**Harman Connected Services Corp India Pvt Ltd,**              02/2021 – 07/2022 | Bangalore, India
*Senior Engineer-Product Development (SRE Engineer)* ⬀
- Built **CI/CD pipelines** using Jenkins & Azure Pipelines, integrating SonarQube for **static code analysis & security checks**.
- Deployed apps on **EKS & AKS using Helm**, enabling **zero-downtime rollouts** with rollback readiness.
- Managed **hybrid-cloud infrastructure** with Terraform across AWS (EC2, VPC, IAM, S3) & Azure (VMs, VNets, Storage).
- Developed **Ansible playbooks** for automation, cutting manual provisioning/configuration by **70%**.
- Implemented **observability with Prometheus & Grafana**, reducing outage detection & recovery time.
- **Configured Azure Load Balancers, App Gateway & Traffic Manager** for routing & performance optimization.
- **Managed persistent storage** using Azure Blob, Managed Disks & AWS S3 with automated backups/recovery.
- Collaborated with security teams to enforce **Azure Policy & AWS IAM** for compliance and governance.
- Followed **structured incident** and **change management** practices, contributing to operational stability.

**C2N IT Services Pvt Ltd,**              09/2018 – 01/2021 | Hyderabad, India
*Associate Software Engineer* ⬀
- Implemented and maintained **CI/CD pipelines in Jenkins**, integrating Maven, Nexus, and SonarQube, which reduced build failures and deployment errors by **20%**.
- Managed **Git repositories** (branching strategies, merges, conflict resolution), enabling smoother collaboration across multiple project teams.
- Assisted in **infrastructure provisioning & maintenance** on AWS (EC2, S3, IAM), gaining foundational cloud experience.
- Automated routine server administration tasks with **Shell scripts**, improving efficiency and reducing manual work.
- Monitored **Linux & Windows servers** for CPU/memory/OS health, ensuring stability across QA, UAT & Production environments.
- Provided **application & system support**, troubleshooting build/deployment issues and coordinating fixes with developers.
- Collaborated with QA & release teams to ensure **seamless deployments across environments**.
- Documented **deployment processes and standard operating procedures (SOPs)** for knowledge sharing and onboarding new team members.
- Performed **incident management and root cause analysis (RCA)**, reducing recurring issues and improving system reliability.

## Education

**Bachelor's Degree, Electrical & Electronics**        Narsapur, India
**Engineering**
Swarnandhra College of Engineering and Technology | 2010 — 2014

## Skills

**Cloud Platforms:**
- **AWS**: EC2, EKS, IAM, S3, VPC, CloudWatch, CodePipeline, CodeBuild, Secrets Manager
- **Azure**: AKS, VNets, Storage, App Gateway, Security Center, Key Vault, RBAC, PIM, DNS, Traffic Manager, DevOps Boards
- **GCP**: GCE, GKE, GCS, Cloud Run, Cloud Build, Stackdriver (Monitoring & Logging), Pub/Sub.

**CI/CD & DevOps:** GitHub Actions, Jenkins, Azure Pipelines, ArgoCD, FluxCD, Maven, Nexus, JFrog Artifactory

**IaC & Automation:** Terraform, Ansible, CloudFormation, Shell Scripting, Python

**Containers & Orchestration:** Docker, Kubernetes, Helm

**Monitoring, Logging & Observability:** Prometheus, Grafana, Datadog, ELK/EFK (Elasticsearch, Fluentd, Kibana), Splunk, OpenTelemetry, New Relic, PagerDuty

**Security & DevSecOps:** SonarQube, Snyk, Trivy, Aqua Security, Prisma Cloud, HIPAA-Compliant Infrastructure

**Messaging & Caching:** Redis (Sentinel & Cluster), Kafka, RabbitMQ, AWS SQS/SNS, GCP Pub/Sub

**Collaboration & Project Management:** Jira, Agile, Azure DevOps Boards/Wiki

**Certifications:** Red Hat Certified Linux Administrator (RHCSA)