

## SAITEJA RAGETI

Uppal, Hyderabad – 500039

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## PROFESSIONAL SUMMARY

DevOps Engineer with 4+ years of experience in automating, deploying, and managing cloud and on-premises infrastructure. Expertise in Kubernetes (EKS & On-Prem), Terraform, Jenkins-based CI/CD, AWS services, Docker, OpenShift, Linux administration, and monitoring solutions. Skilled in building scalable, secure, and high-availability environments, optimizing operational workflows, and driving end-to-end automation for faster and more reliable deployments.

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## TECHNICAL SKILLS

**Cloud:** AWS (EC2, VPC, IAM, ECR, S3, CloudWatch, ALB, Auto Scaling)

**Containers & Orchestration:** Kubernetes (On-Prem, EKS), OpenShift, Docker

**CI/CD:** Jenkins, ArgoCD

**IaC & Automation:** Terraform, Ansible, Bash/Shell

**Monitoring & Logging:** Prometheus, Grafana, CloudWatch, Zabbix, Monit, Filebeat

**Web & Middleware:** Apache, Nginx, WildFly, Phusion Passenger

**Version Control:** Git, GitHub

**Operating Systems:** Linux (RHEL, CentOS, Ubuntu)

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## PROFESSIONAL EXPERIENCE

### Tata Consultancy Services (TCS), Hyderabad

#### DevOps Engineer | Jul 2022 – Present

- Administer and maintain Kubernetes clusters (On-Prem & EKS) including core components: kube-apiserver, scheduler, etcd, kubelet, kube-proxy.
- Manage Kubernetes workloads using Deployments, StatefulSets, DaemonSets, HPAs, PodDisruptionBudgets, nodeSelectors, taints/tolerations, and affinity rules.
- Automated AWS provisioning (VPC, EC2, EKS, IAM, S3, SGs) using Terraform, reducing setup time and eliminating manual provisioning errors.
- Create reusable Terraform modules for multi-environment AWS deployments, improving infrastructure consistency.
- Implement CI/CD pipelines integrating Git, Jenkins, Docker, Terraform, Helm, and kubectl for automated build, test, and deployment operations.
- Deploy and manage container images in Harbor (on-prem) and AWS ECR registries.
- Build Ansible playbooks for configuration management, OS hardening, application deployments, and patch automations.

- Implemented monitoring solutions using Prometheus, Grafana, and CloudWatch with custom alert rules and dashboards.
  - Automate operational tasks using Bash (health checks, log rotation, disk monitoring, service restarts, cleanup, cron jobs).
  - Implemented disk utilization alerting on Linux servers using Bash and Zabbix, proactively preventing system outages.
  - Built and administered a stable 6-node OpenShift cluster (3 masters, 3 workers) ensuring HA, RBAC security, and multi-tenant workload isolation.
  - Collaborate with development, QA, operations, and release teams during deployment cycles and production incident handling.
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#### **Tata Consultancy Services (TCS), Hyderabad**

##### **Middleware & Linux Engineer | Jan 2022 – Jul 2022**

- Managed 3-tier applications running on Apache, Nginx, and WildFly servers across staging and production environments.
  - Implemented and optimized load balancing using mod\_jk, including configuring JkMount, JkUnMount, workers, and reverse proxy rules to ensure high availability and efficient traffic routing.
  - Performed SSL/TLS certificate management using keytool and OpenSSL, including certificate import, renewal, and validation to maintain secure communication channels
  - Automated daily system health checks, disk utilization checks, service monitoring, and reporting using Bash scripts.
  - Integrated Zabbix and Monit for monitoring and automated service restarts, reducing downtime and manual intervention.
  - Supported deployments, rollbacks, and routine maintenance ensuring application stability and uptime.
  - Performed log analysis, system tuning, and troubleshooting for Linux-based production servers.
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#### **KEY PROJECTS**

##### **Production-Grade Kubernetes Cluster Deployment – On-Prem**

- Designed and deployed a 6-node Kubernetes cluster using kubeadm with RBAC, ingress controllers, persistent storage, and Harbor registry integration.

##### **Jenkins + Terraform CI/CD Automation**

- Implemented multi-stage CI/CD pipelines for automated Terraform provisioning, Docker builds, and Kubernetes deployments across dev, QA, and production environments.

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## **EDUCATION**

Bachelor of Technology (B.Tech)  
Jawaharlal Nehru Technological University Hyderabad (JNTUH)  
Graduated: 2020

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## **PERSONAL DETAILS**

Marital Status: Married  
Address: Uppal, Hyderabad – 500039

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## **DECLARATION**

I hereby declare that all the information provided is true to the best of my knowledge.

**Place:** Hyderabad

**Date:**

**Signature:**Saiteja