M Sandeep Kumar

Senior DevOps Engineer
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PROFESSIONAL SUMMARY

DevOps Engineer with 6 years of experience at Wipro Limited, including 5+ years in CI/CD automation, Kubernetes, AWS, and production support. Skilled in Jenkins, Argo CD, Docker, Helm, Terraform, and Prometheus/Grafana, with experience managing deployments across PROD, QA, TEST, and DEV. Specialized in building and optimising CI/CD pipelines, automated deployments, GitOps-based delivery, release management, proactive monitoring, and security enhancements.

TECHNICAL SKILLS

Cloud: AWS (EC2, S3, EBS, VPC, IAM, EKS, ECR, EFS, ELB, Route 53, RDS, CloudWatch)
Infrastructure as Code: Terraform (Modules, Provisioners, Import, Drift Detection)
CI/CD & GitOps: Jenkins, Maven, Helm, Argo CD, Nexus
Containers: Docker, Kubernetes
Monitoring & Security: Prometheus, Grafana, SonarQube, Trivy
Source Control: Git, GitHub, BitBucket
Scripting & OS: Bash, Python, Linux, AIX, Solaris, Windows
Middleware: Apache Tomcat, HTTPD, IIS, IBM WebSphere, Jboss, iPlanet, MQ and MQSI
Methodologies: SDLC, Agile/Scrum, Waterfall

PROFESSIONAL EXPERIENCE

Wipro Limited, Hyderabad Aug 2021 – Present
DevOps Engineer

- Migrated 40+ applications from raw **Kubernetes** manifests to **Helm charts** and integrated **Argo CD** for **GitOps**-based continuous delivery, reducing deployment errors by ~50% across clusters.
- Automated build, test, and deployment workflows by developing **Jenkins CI/CD** pipelines integrated with **GitHub** and **Maven**, delivering releases consistently across multiple environments (PROD, QA, TEST and DEV).
- Deployed and managed highly available containerized applications on Kubernetes and **AWS EKS** using Deployments, Services, ConfigMaps, Secrets, autoscaling, and load balancing; executed rolling updates, rollbacks, EKS upgrades, and worker-node patching.
- Streamlined artifact management by configuring Poll SCM and scheduled triggers and building deployment jobs that publish Maven artifacts to **Nexus** and **S3** and deploy WAR files to application servers.
- Provisioned and managed multiple **AWS services (EC2, S3, VPC, IAM, ELB, EKS, ECR, Route 53, EFS)** as version-controlled, repeatable infrastructure using **Terraform**, building reusable modules, using provisioners, importing existing resources into state, and detecting configuration drifts.
- Strengthened observability and security by building **Prometheus** and **Grafana** dashboards and alerts and integrating **Trivy** image scans into CI/CD pipelines to catch vulnerabilities before release.
- Resolved critical production incidents by analysing containers, Kubernetes, and Linux logs, identifying root causes, and coordinating with development, infrastructure, middleware, and operations teams.

Wipro Limited, Hyderabad Sep 2020 – July 2021
Project Engineer (Linux & Middleware Support)

- Administered **Linux servers** hosting **Apache Tomcat, HTTPD, IBM WebSphere, JBoss and iPlanet**, handling **OS patching**, service start/stop and management, application deployments, upgrades, and migrations.
- Restored services during critical P1 and P2 incidents by troubleshooting on **Linux command line**: analysing system and application logs, checking processes and services, and resolving **filesystem and disk-space** issues, while coordinating with application teams and business stakeholders.
- Installed and renewed **SSL certificates** on Linux-hosted web and application servers to maintain secure connectivity.
- Supported **Jenkins** build and release activities and **Git/GitHub** version control across application environments.
- Gained early hands-on experience with **Dockerfiles** and **Docker images** for application containerization, which led into the cloud-native work in the current role.

EDUCATION

Bachelor of Computer Science Engineering **2016 - 2020**
Hindustan Institute of Technology and Science, Chennai, Tamil Nadu CGPA: 7.40

Intermediate Secondary School **2014 - 2016**
Sri Chaitanya Junior College, Vijayawada, Andhra Pradesh CGPA: 8.15