

Sudheer Pithani

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SUMMARY

DevOps Engineer with a strong background in Linux System Administration. Implementing Infrastructure as Code (IaC) with Terraform, Automating deployment workflows using CI/CD, and managing containerized workloads on ECS/EKS.

PROFESSIONAL EXPERIENCE

- **CloudFulcrum** Hyderabad, India
Jan 2025 – Present
Associate DevOps Engineer
 - Designed and maintained CI/CD pipelines using Jenkins to automate build, test, and deployment workflows for Java applications.
 - Integrated Maven and Gradle to manage application dependencies and automate artifact creation (JAR/WAR).
 - Centralized artifact management by publishing application releases and snapshots to Sonatype Nexus repository.
 - Containerized applications by writing optimized Dockerfiles (using multi-stage builds) and image tagging and Versioning.
 - Automated the process of building images via Jenkins and pushing them securely to Amazon ECR and Nexus Docker registries.
 - Provisioned AWS infrastructure, including EC2 instances and basic networking (VPC/Security Groups), using Terraform (IaC).
 - Utilized Ansible to automate configuration management, running ad-hoc commands and playbooks for server setup (deploying Node.js and Nexus).
 - Deployed containerized services to an AWS EKS cluster, focusing on basic Kubernetes objects (Pods, Deployments, Services).
 - Managed AWS IAM roles, users, and policies to enforce least-privilege access.
 - Daily execution of core Git operations (branching, merging, resolving conflicts) and managed collaboration via GitHub.
 - Managed and maintained underlying Linux server environments (RHEL/Ubuntu) to ensure performance and network stability.

TECHNICAL SKILLS

- **DevOps Tools:** Kubernetes, Docker, Docker Compose, Helm, Terraform, Jenkins (CI/CD), Git, GitHub, Nexus, Ansible, Nginx
- **Cloud:** AWS (EC2, IAM, VPC, ECR, EKS), GCP (Compute Engine, VPC, Firewall Rules)
- **Scripting:** Bash, Groovy, Python
- **Operating Systems:** Linux (Ubuntu, RHEL, CentOS)
- **Networking:** TCP/IP, Routing, Switching, Firewalls, Network file systems, Subnetting, DNS, HTTP/S
- **Build Tools:** Maven, Gradle, PIP, NPM

PERSONAL PROJECTS

- **Microservices E-Commerce Application Deployment:** [GitHub]
 - Orchestrated the deployment of cloud-native microservices on Kubernetes, enhancing application scalability and resilience.
 - Implemented Infrastructure as Code (IaC) using Helm charts and Helmfile for consistent deployment across environments.
 - **Technologies:** Kubernetes, Helm, Helmfile, Docker, Minikube, NodePort.
- **Cloud-Native Java CI/CD Pipeline with AWS ECR & EKS:** [GitHub]
 - Developed an automated CI/CD pipeline using Jenkins shared libraries for Java application build (Gradle), containerization (Docker), and deployment.
 - Integrated AWS ECR for secure container image storage and configured automated deployment to an AWS EKS cluster using Kubernetes.
 - **Technologies:** Jenkins, Gradle, Docker, AWS ECR, AWS EKS, Kubernetes.

EDUCATION

- **Bachelor of Technology in Electrical and Electronics:** Aditya College of Engineering & Technology, Surampalem, AP, India, 2024 (CGPA: 7.09).
- **Intermediate:** Sri Chaitanya Junior College (MPC Branch), Kakinada, AP, India, 2020 (CGPA: 6.96).

ADDITIONAL ACTIVITIES

- **Technical Blog:** Sharing educational content on Linux and DevOps at chaoticcontainers.dev