Sudheer Pithani

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Summary

DevOps enthusiast with hands-on project experience in CI/CD pipelines, containerization, and cloud technologies. Strong foundation in Linux administration, automation scripting, and infrastructure management. Seeking an entry-level position to leverage technical skills and contribute to organizational growth.

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)
- **Networking**: TCP/IP, Routing, Switching, Firewalls, Network file systems, Subnetting, DNS, HTTP/S
- **Build Tools**: Maven, Gradle, PIP, NPM

Projects

- **Microservices E-Commerce Application Deployment:** [GitHub]
  - Orchestrated deployment of cloud-native microservices on Kubernetes, enhancing scalability and resilience.
  - Implemented IaC using Helm charts and Helmfile for consistent deployment.
  - **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 image storage and automated deployment to AWS EKS cluster using Kubernetes.
  - **Technologies:** Jenkins, Gradle, Docker, AWS ECR, AWS EKS, Kubernetes.
- **Automated AWS Nginx Deployment via Terraform & Docker:** [GitHub]
  - Automated provisioning of secure AWS infrastructure (VPC, EC2, SG) using Terraform (IaC).
  - Deployed Nginx web server via Docker using Terraform provisioners (remote-exec) and shell scripting.
  - Implemented reusable Terraform modules for networking components (Subnet, IGW, Routes).
  - **Technologies:** Terraform, AWS (EC2, VPC, IAM, SG), Docker, Nginx, Bash Scripting.
- **Multi-Cloud Web Server Deployment using Terraform (AWS & GCP):** [GitHub]
  - Automated provisioning of NGINX web servers on AWS (EC2, VPC, SG) and GCP (Compute Engine, VPC, Firewall Rules) using Terraform.
  - Enforced IP-restricted SSH/HTTP access and applied startup scripts to install and configure NGINX on port 8080.
  - Mapped multi-cloud.local to the deployed instance IP via /etc/hosts for seamless local access.
  - **Technologies:** Terraform, AWS (EC2, VPC, SG), GCP (Compute Engine, VPC, Firewall Rules), NGINX, Bash scripting.

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).

Courses & Certificates

- **Linux Basics**: KodeKloud — Certificate Earned
- **Kubernetes for Beginners**: KodeKloud — Certificate Earned
- **Docker Course**: KodeKloud — Certificate Earned
- **Git for Beginners**: KodeKloud — Certificate Earned

Soft Skills

- **Communication**: Strong verbal and written communication in English.
- **Problem Solving**: Proactive self-starter with good analytical and problem-solving skills.

Additional Activities

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