Chamantula Pradeep kumar

Aspiring DevOps & Cloud Engineer | Certified in DevOps & Docker | foundation in CI/CD & IAC
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Professional Summary

Aspiring DevOps and Cloud Engineer with a solid understanding of DevOps fundamentals and practical exposure to industry-relevant tools including AWS, Git, Jenkins, Maven, Ansible, Terraform, Prometheus, and Grafana. Recently completed a hands-on capstone project focused on cloud deployment, CI/CD automation, and infrastructure as code. Strong willingness to learn, adapt, and contribute to real-world DevOps initiatives. I am eager to apply my skills in a dynamic organization, support automation and cloud operations, and grow as a valuable member of the DevOps team.

Technical skills:

- Cloud Platforms: AWS (EC2, RDS, IAM, S3)
- DevOps Tools: Jenkins, Docker, Maven, Ansible, Terraform ,linux ,kubernetes
- Monitoring Tools: Prometheus, Grafana
- Version Control: Git & GitHub
- CI/CD Tools: Jenkins, GitHub Actions
- Databases: SQL
- Security: IAM, MFA, Access Management
- Web Technologies: HTML

Project: FinanceMe – DevOps Capstone Project (Banking and Finance Domain)
Role: DevOps Engineer (Fresher, Capstone-project)
Duration: Mar 2025 – Apr 2025
Description: FinanceMe is a microservices-based web application simulating real-time banking operations. The project focused on deploying and managing the application using end-to-end DevOps practices and cloud technologies.

Responsibilities & Achievements:

- Implemented a complete CI/CD pipeline using Jenkins**,** Git, and Maven to automate build, test, and deployment process
- Containerized microservices using Docker and orchestrated the application deployment on AWS EC2 instances.
- Automated infrastructure provisioning using Terraform and configuration management with Ansible**.**
- Monitored system performance and service health using Prometheus and Grafana, enabling proactive alerting.
- Applied Infrastructure as Code (IaC) principles to manage scalable and repeatable cloud environments.
- Improved deployment consistency and reduced manual intervention by over 60% through automation.
- Ensured high availability and version control using GitHub for source code and pipeline management.

Technologies Used:
AWS, Jenkins, Git, Maven, Docker, Ansible, Terraform, Prometheus, Grafana, Linux.

Project Summary:

Successfully automated the deployment of a pre-given Spring Boot web application using a full DevOps toolchain on AWS EC2. Leveraged Git and GitHub for version control, resolving merge conflicts during team collaboration. Implemented CI/CD pipelines using Maven and Jenkins, automating build, test, and deployment processes. Containerized the application with Docker and deployed consistent environments via Docker Hub. Provisioned scalable cloud infrastructure using Terraform and managed configurations using Ansible. Overcame Jenkins-related plugin and permission issues through effective debugging and reconfiguration. Enabled system monitoring using Prometheus and built real-time dashboards with Grafana. Delivered a complete, cloud-based automated deployment pipeline with integrated monitoring and alerting.

Education:

- B.Tech- Computer Science & Engineering **May 2024**
  Jawaharlal Nehru Technological University **(JNTUGV)**
- Higher Secondary Course Certificate (HSC) -(MPC) **March 2020**
  Narayana junior college
- Secondary School Leaving Certificate (SSC) **March 2018**
  MP & EV English medium school

Certifications & Training

- IBM DevOps Fundamentals – **IBM CEP**
- IBM Docker Essentials Developer Introduction – **IBM CEP**
- Trained in AWS Cloud Introduction

Additional Information

- **Soft Skills:** Strong communication, adaptability, leadership, problem-solving & decision making abilities .
- **Hobbies:** Reading, gaming, and watching inspirational content.