





SWETHA KATLA

DevOps Engineer

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Profile

Critical thinking DevOps Engineer with 2 years of experience, extensive understanding of high availability architecture and concepts. Purpose-driven professional with capacity to be strong team player plus work effectively independently. Hardworking and passionate job seeker with strong organizational skills eager to secure DevOps Engineer position.

Education

HMGI affiliated to JNTUH

M.Tech with CGPA 8.5

2018
hyderabad

Skills

- | | | | |
|--------------|------------------|--------------|----------------|
| • Linux | • GIT | • Kubernetes | • Helm |
| • Docker | • Jenkins(CI/CD) | • SonarQube | • Nexus |
| • Prometheus | • Grafana | • ELK | • Shell script |
| • GCP Cloud | • Python | • AWS | • Azure |

Professional Experience

Predera Technologies Pvt Ltd.

DevOps Engineer

10/2022 – 03/2024
Hyderabad, India

Roles & Responsibilities

GitLab: Expertise in source code management, version control, and CI/CD pipeline automation.

Jenkins: Implemented robust CI/CD pipelines to automate testing, integration, and deployment processes.

Docker: Containerized applications for consistency across development, testing, and production environments.

SonarQube: Integrated code quality checks and security analysis into CI/CD pipelines.

AWS: Managed cloud infrastructure and services, including EC2, S3, and RDS, for scalable and reliable deployments.

GCP: Leveraged Google Cloud Platform services for hosting, data storage, and machine learning operations.

Azure Data Factory: Orchestrated data workflows and transformations in Azure to support data integration and ETL processes.

Kubernetes: Orchestrated and managed containerized applications, ensuring scalability, self-healing, and efficient resource utilization.

Grafana: Created dashboards for real-time monitoring and visualization of system performance and metrics.

Prometheus: Implemented monitoring and alerting solutions to track the health and performance of deployments.

Cadeploy

Engineer

07/2021 – 02/2022

hyderabad, india

System Engineer, primary responsibilities include maintaining, monitoring, and supporting the IT infrastructure to ensure optimal performance and reliability, a combination of technical skills, problem-solving abilities, and teamwork.

Projects

AIQ

AIQ is a complete MLOps platform, which provides services like streamlining machine learning workflows, automates model training and deployment, ensures version control, monitors model performance, and facilitates collaboration among data scientists, engineers, and stakeholders.

Roles & Responsibilities:

- Designed and managed scalable infrastructure using Terraform, Kubernetes, Docker, and Linux/Ubuntu.
- Developed and maintained CI/CD pipelines for automated model integration and deployment.
- Implemented robust monitoring and logging with Prometheus and Grafana to ensure platform reliability and compliance.
- Managed server configurations and system administration tasks on Linux/Ubuntu environments.
- Deployed and managed cloud resources on Google Cloud Platform (GCP).
- Collaborated with cross-functional teams to streamline machine learning workflows and improve operational efficiency.
- Facilitated seamless model version control and performance monitoring to support data scientists and engineers.

LLM Cloud

Experience includes deploying large language models (LLMs) on different servers such as VLLM and Triton, showcasing proficiency in server management and deployment strategies for advanced AI technologies.

Roles & Responsibilities:

- Managed the deployment of LLMs on servers like VLLM and Triton, ensuring optimal performance and reliability.
- Configured and maintained server environments to support LLM deployments.
- Automated server provisioning and configuration using Infrastructure as Code (IaC) tools.
- Set up CI/CD pipelines using Jenkins to automate the testing, integration, and deployment of code changes.
- Integrated GitHub for source code management and version control.
- Utilized Docker to containerize applications, ensuring consistency across different environments.
- Deployed and managed cloud resources on AWS (including EC2, S3, RDS, and Lambda) and Azure (including AKS, Azure Data Factory, and Azure DevOps).
- Implemented automated backup and disaster recovery solutions using AWS S3.
- Kubernetes for orchestration, scaling, and self-healing.
- Implemented monitoring solutions using Grafana and Prometheus to track the health and performance of deployments.
- Set up alerts and dashboards to proactively identify and resolve issues.
- Worked closely with development and data science teams to align deployment strategies with project goals.
- Documented deployment processes, configurations, and troubleshooting steps to ensure knowledge sharing and continuity.
- Analyzed and optimized deployment configurations to enhance the performance of LLMs.
- Conducted load testing and capacity planning to support scalability and reliability.

Languages

- Telugu (Native)
- English (Proficient)
- Hindi (Proficient)

Certificates

Architecting with Google Kubernetes Engine

Architecting with Google Compute Engine

Declaration

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

k swetha
Hyderabad