Saikiran Pattipaka

DevOps Engineer

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PROFESSONAL SUMMARY

Dedicated and results-driven **DevOps Engineer** with 2.6 years of hands-on experience at Amazon, specializing in automation, CI/CD pipelines, and cloud infrastructure management. Proficient in AWS and Docker, with strong expertise in optimizing system performance and ensuring smooth deployment workflows. Skilled in collaboration and problem-solving, delivering efficient solutions that drive operational excellence and scalability in high-demand environments.

SKILLS

- **Cloud Platform:** AWS
- **Infrastructure as Code (IaC):** Terraform

- **Version Control:** GitHub, AWS CodeCommit
- **Containerization & Orchestration**: Docker, Kubernetes
- **Monitoring & Logging:** Prometheus, Grafana, ELK Stack

- **CI/CD Tools:** Jenkins, AWS CodePipeline
- **Scripting Languages:** Shell scripting, Python
- **Operating Systems:** Linux, Windows

- **Configuration Management:** Ansible

EXPERIENCE

Amazon, Hyderabad — *DevOps Engineer*

July 2023 - PRESENT

- Collaborated with development teams to streamline and automate application deployment process, reducing deployment time by 30%
- Implemented and maintained CI/CD pipelines using Jenkins, and Terraform for infrastructure provisioning, ensuring faster and reliable application releases.
- Managed infrastructure an AWS, including EC2 instances, S3 buckets, IAM roles, and CloudWatch for monitoring.
- Utilized Docker and Kubernetes for containerization, increasing scalability and consistency of application environments.
- Automated system configuration using Ansible to manage large-scale infrastructure and improve system reliability.
- Developed custom Python and Shell scripts to automate operational tasks and system maintenance, saving over 10 hours of manual work weekly.
- Set up and managed monitoring systems with Prometheus and Grafana to track key performance indicators and detect infrastructure issues early.

Amazon, Hyderabad — *Jr DevOps Engineer*

October 2022 – July 2023

- Assisted in the deployment and management of cloud infrastructure on AWS, including EC2, S3, and Lambda.
- Supported the development and maintenance of Jenkins pipelines for continuous integration and continuous deployment.
- Automated server provisioning and environment setup using Terraform, improving infrastructure provisioning speed by 20%
- Participated in the troubleshooting and resolution of production incidents, ensuring high system uptime and availability.

EDUCATION

Christu Jyothi Institute of Technology and Science

Jangaon — *Master of Technology(M.Tech) - EPS*

August 2020 - August 2022

PROJECTS

CI/CD Pipeline Automation.
- Designed and implemented a robust CI/CD pipeline using Jenkins, and Docker, automating the build, test, and deployment processes. Integrated unit testing, security scans, and code quality checks, improving deployment speed by 40% and reducing errors in production.
- Technologies Used: **Jenkins**, **GitHub**, **AWS**, **Terraform**

Infrastructure as Code (IaC) with Terraform.
- Designed and implemented an automated infrastructure solution using Terraform to provision and manage AWS resources for a web application.
- Created reusable Terraform modules for consistent and scalable deployments, reducing setup time and improving environment consistency.
- Integrated the solution with a CI/CD pipeline using Jenkins, ensuring automatic deployment of changes to production.
- Technologies Used: **AWS (EC2, S3,VPC)**, **Terraform**, **CloudFormation.**

LANGUAGES

- ENGLISH - PROFICIENT
- HINDI - PROFICIENT
- TELUGU - PROFICIENT