SAKSHITH REDDY SIDDIREDDYGARI

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Profile Summary

AWS & DevOps Engineer with hands-on experience in cloud infrastructure, automation, containerization, and CI/CD pipelines. Skilled in AWS services, Terraform, Docker, Kubernetes, Linux, Git, and Jenkins. Strong understanding of deployment automation, version control, and infrastructure as code. Seeking an entry-level DevOps/AWS Engineer opportunity to build scalable systems and automation workflows.

Technical Skills

- **Cloud Platforms:** Amazon Web Services (EC2, VPC, IAM, S3, RDS, Security Groups, Load Balancer, Auto Scaling)
- **DevOps Tools:** Terraform, Ansible, Jenkins, Docker, Kubernetes, CI/CD, Git/GitHub
- **Source Code Management:** Terraform, Ansible, Git
- **Operating Systems:** Linux (Ubuntu)
- **Soft Skills:** Communication, Problem-Solving, Team Collaboration, Adaptability

Projects

1.Title: AWS 3-Tier Architecture using Terraform
Tools :   Terraform, EC2, VPC, RDS (MySQL), S3, IAM, Security Groups, NAT Gateway

Description

I deployed a secure and scalable 3-tier AWS architecture using Terraform, integrating AWS Secrets Manager to securely manage RDS credentials. I also configured remote Terraform state storage in S3 for efficient collaboration and version control, following AWS best practices for access control, automation, and reliability.

Responsibilities:
- Designed and deployed a secure 3-tier AWS infrastructure (Web, App, DB) using Terraform with proper VPC, subnet, routing, and security configurations.
- Implemented AWS Secrets Manager for secure RDS credential management and configured Terraform remote state storage using S3.
- Applied IAM policies, security groups, and automation best practices to ensure scalable, reliable, and well-governed infrastructure.

2.Title: CI/CD Pipeline for Python Web App using Jenkins, Docker Kubernetes
Tools : Jenkins, GitHub, Docker, Kubernetes, Git

Description

I containerized a Python web application using Docker to ensure consistent environments and portability. I then implemented a CI/CD pipeline in Jenkins to automate the build, test, and deployment processes, integrating GitHub with Jenkins triggers for continuous integration on every code commit. The application was deployed to a Kubernetes cluster to achieve high availability and scalability, and I ensured zero-downtime updates by using rolling deployments and Kubernetes health checks.

Responsibilities:
- Containerized the Python web application using Docker and managed source code through GitHub.
- Designed and implemented an automated CI/CD pipeline in Jenkins for building, testing, and deploying the application.
- Deployed the application to a Kubernetes cluster using rolling updates and health checks to ensure high availability and zero downtime.

3.Title: Automated Tomcat Server Deployment using Ansible
Tools : Ansible, Linux (Ubuntu), YAML, Git / GitHub

Description

I developed an Ansible playbook to automate the installation and configuration of Apache Tomcat on Linux servers, ensuring faster and more consistent deployments. I streamlined server setup by managing dependencies, users, and environment variables using YAML playbooks and utilized Ansible inventory files to enable multi-server deployment with uniform configurations. This automation improved deployment efficiency and significantly reduced manual setup errors.

Responsibilities:
• Created Ansible playbooks to automate the installation and configuration of Apache Tomcat on multiple Linux servers.
• Managed server dependencies, user accounts, directory structures, and environment variables using YAML-based automation.
• Used Ansible inventory files for consistent multi-server deployments and centralized configuration management.
• Improved deployment speed and minimized manual errors through fully automated and repeatable provisioning workflows.

Education

B.Tech-(JNTUH college of engineering rajanna sircilla)(Computer Science and Engineering) — (2021–2025)
Intermediate (St. Anthony's Junior College)(M.P.C) — (2019–2021)
SSC — (Geetha High School) (2018–2019)

Certifications

- AWS Cloud Practitioner Essentials – AWS Training

Achievements

• Volunteered at **AU Hiring Tournament 2025** – AlgoUniversity, JNTU Hyderabad; contributed to event coordination and enhanced leadership and teamwork skills.
• Represented Telangana in national-level softball tournaments.
• Represented University in cricket and kabaddi (Inter-University Level).

Declaration

I hereby declare that the information provided above is true to the best of my knowledge and belief.

Date:

Place: **SIDDIREDDYGARI SAKSHITH REDDY**