Sai Ajay Krishna Paruchuru

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PROFESSIONAL SUMMARY

Cloud & DevOps Engineer skilled in AWS, Kubernetes, Terraform, CI/CD, and automation. Experienced in cloud-native deployments, infrastructure as code (IaC), and container orchestration. Passionate about building scalable cloud solutions and optimizing DevOps workflows.

SKILLS

Cloud & DevOps: AWS (EKS, EC2, S3, VPC, ECR, IAM, RDS, Lambda, Route 53, CloudWatch, CloudFormation)
Tools & Automation: Docker, Kubernetes, Terraform, Jenkins (CI/CD), Ansible, Helm, Git
Programming & OS: Python, MySQL, Linux (Ubuntu), Windows
Web Development: Django, HTML, CSS

PROJECTS

Automated Deployment of Web Application using Docker, Jenkins, and AWS
- Built and containerized a Django web application using Docker.
- Implemented a CI/CD pipeline with Jenkins, triggered by GitHub webhooks.
- Deployed the application on AWS EC2, ensuring high availability and scalability.

Cloud-Native Application Deployment on AWS EKS with Fargate and ALB
- Deployed a Django-based static web application on Amazon EKS with Fargate.
- Managed Kubernetes deployments with 3 replicas for high availability.
- Configured AWS ALB ingress controller via Helm for external access.
- Ensured secure access using IAM OIDC roles and policies.

Automated Deployment Pipeline for Django Application on AWS EKS
- Developed a Django-based calculator app using Docker, Jenkins, Helm, and AWS EKS.
- Set up a CI/CD pipeline in Jenkins, automating build, test, and deployment.
- Implemented Terraform for IaC, reducing deployment time by 45%

WORK EXPERIENCE

Cloud Engineer Intern | Feb 2021 – May 2022
- Configured and managed AWS services (EC2, S3, RDS) for cloud applications.
- Automated cloud infrastructure with Terraform, reducing manual operations.
- Monitored performance using AWS CloudWatch, resolving issues proactively.
- Created documentation for cloud configurations and troubleshooting.

EDUCATION

Master of Computer Science – University of Connecticut | Aug 2022 – May 2024
Bachelor of Computer Science – VLITS | Jun 2018 – Apr 2022

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02).