

Siva Sainath Reddy Sandula

AWS DevOps Engineer

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As a seasoned AWS DevOps Engineer with over 3 years of experience, I excel in designing, implementing, and automating cloud infrastructure. My expertise includes containerization with Docker and Kubernetes, Infrastructure as Code (IaC), Configuration Management tools, and building efficient CI/CD pipelines. I am well-versed in managing AWS services and implementing DevOps processes. With strong interpersonal and communication skills, I collaborate effectively with teams. Currently seeking a full-time position that offers professional growth, allowing me to utilize my skills, time management, and problem-solving abilities

Skills

- **Operating Systems:** Windows, Linux
- **Configuration Management:** Ansible
- **Build Tools:** Maven, Gradle
- **Continuous Integration:** Jenkins, GitHub Actions
- **Version Control:** Bit bucket, Git (GitHub)
- **Languages/Scripting:** Python, Shell Script
- **Cloud Platforms:** AWS
- **Containerization:** Docker, Kubernetes
- **Monitoring Tools:** Splunk, Prometheus, Grafana
- **Infrastructure as Code:** Terraform
- **Artifact Management:** JFrog Artifactory

Work History

Capgemini Ltd, Bengaluru

AWS DevOps Engineer | Jan 2022 – Present

- Worked on branching and merging, resolving branching strategy issues, and maintaining a structured branching model using Git.
- Collaborated with an Agile development team to deliver an end-to-end CI/CD pipeline using Terraform, Ansible, Jenkins, and Kubernetes.
- Designed and deployed Kubernetes (EKS) clusters, improving application scalability and reducing downtime by 30%.
- Developed Helm charts to automate Kubernetes deployments and managed application releases efficiently.

- Created and managed Kubernetes manifests (**Deployments, Services, ConfigMaps, Secrets**) for application deployments.
- Developed comprehensive Terraform and CloudFormation scripts to provision infrastructure for AWS services including **EC2, S3, CloudWatch, Lambda, CloudTrail, IAM, ECS, VPC, Route 53, SNS, KMS, EKS, RDS, and Sage Maker**.
- Configured Kubernetes Ingress controllers and Service Mesh (**Istio**) for better traffic management and security.
- Implemented Kubernetes monitoring and logging using **Prometheus and Grafana**, improving observability and reducing downtime by 15%.
- Designed and implemented a **cross-region, cross-account application log delivery system**, directing logs to S3 as a central repository, enhancing monitoring and troubleshooting capabilities.
- Established **CloudWatch Alarms and events** for log monitoring, ensuring prompt identification of issues.
- Wrote **Python scripts** to automate repetitive DevOps tasks, such as **CI/CD pipeline optimization, AWS resource cleanup, and infrastructure monitoring**.
- Wrote **Ansible scripts** to automate infrastructure provisioning and configuration management.
- Deployed and managed containerized applications using **Docker and Kubernetes**, creating Docker images and Kubernetes manifests.
- Worked on launching AWS resources using **Terraform and CloudFormation** for Infrastructure as Code (IaC).
- Experienced in **continuous integration technologies with Jenkins**, designing and creating multiple deployment strategies using CI/CD.
- Responsible for documenting various procedures involved in the day-to-day maintenance of different environments.

Rewards and Achievements

- Received best team award at Capgemini.
- Received the Stellar Performance Award from Capgemini.
- Received Star of the month Award at Capgemini

Certifications

- AWS Certified Cloud Practitioner
- AWS Certified Developer - Associate

Education

June 2017- Aug 2021

Bachelor of Technology: Civil Engineering

Jawaharlal Nehru Technological University (JNTUK)- Kakinada, Andhra Pradesh