

SUNEEL MADANA

DevOps Engineer

PROFESSIONAL SUMMARY

DevOps Engineer with 3 years of experience in designing, deploying, and managing scalable cloud infrastructure on AWS. Proven expertise in automating CI/CD pipelines using Jenkins, Git, and Docker to streamline software delivery and ensure reliable, repeatable deployments. Skilled in collaborating with cross-functional teams, optimizing development workflows, and maintaining high availability and performance of cloud-native applications.

EXPERIENCE

Cognizant Technology Solutions

Bangalore, Andhra Pradesh, India

September 2021 – April 2024

- Managed and automated AWS infrastructure using Terraform, provisioning services such as EC2, VPC, S3 and Lambda to support scalable and secure cloud environments.
- Designed and implemented Jenkins CI/CD pipelines with a modular parent-child architecture, improving reusability, maintainability, and reducing pipeline complexity.
- Resolved CI/CD failures and improved pipeline reliability through debugging and log analysis.
- Developed reusable Ansible playbooks for automated provisioning and configuration of cloud resources.
- Implemented containerization with Docker and Kubernetes (EKS), enabling consistent and scalable deployments across environments.
- Containerized and deployed microservice applications on AWS EKS, achieving scalable, cloud-native setups.
- Enhanced CI/CD governance and reduced manual effort, earning client recognition for improving deployment workflows.
- Automated AWS infrastructure provisioning with Terraform, ensuring repeatable, version-controlled deployments and reducing manual errors.
- Deployed and managed Kubernetes workloads, ensuring high availability and fault tolerance using pod scaling, replica sets, and load balancing.
- Orchestrated blue-green and canary deployments on Kubernetes, ensuring zero downtime during upgrades and feature rollouts.
- Coordinated infrastructure patching, monitoring, and upgrades with minimal disruption to business operations.
- Managed incidents and service requests via ServiceNow, ensuring timely tracking and resolution.

Client Project#:

Title : Trafigura
Role : DevOps Engineer

Responsibilities:

- Automated end-to-end CI/CD pipelines using Jenkins, integrating Git version control and Maven for continuous build, testing, and deployment, reducing release time by **30%**.
- Built and managed scalable infrastructure using Terraform to automate resource provisioning across AWS, reducing manual effort by **40%**.
- Containerized applications using Docker, streamlining development workflows and enabling faster deployments in microservices architecture.
- Managed Kubernetes clusters (EKS) with Argo CD for automated application rollouts, improving deployment speed and reliability.
- Deployed and managed containerized applications in Kubernetes clusters, ensuring high availability and fault tolerance through pod scaling, replica sets, and load balancing.
- Collaborated with development teams to implement Git branching strategies for streamlined code integration, ensuring smooth merges, reviews, and conflict resolution.
- Integrated security checks and vulnerability scanning in CI/CD pipelines using Jenkins plugins for image scanning and security auditing tools.
- Monitored and optimized Kubernetes cluster resource usage through Prometheus and Grafana, improving application performance and reducing infrastructure costs.
- Participated in code reviews and collaborated with approvers to merge changes via review calls.

SKILLS

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| • Methodologies | : SDLC, Agile |
| • Cloud Platform | : AWS |
| • SCM | : Git, GitHub |
| • Build Tool | : Maven |
| • CI/CD | : Jenkins, AWS CI/CD tools, GitHub Actions |
| • Containerization | : Docker, Kubernetes |
| • IAC | : Terraform |
| • Scripting | : Shell scripting |

EDUCATION

Bachelor of Technology in Computer Science and Engineering **Chadalawada Ramanamma Engineering College, 2021 CGPA: 8.41**

CERTIFICATIONS

- **AWS Cloud Practitioner Certification** – Validated foundational knowledge of AWS cloud concepts and services.