

Charan Surya Nikhil Kilana

Dallas, TX, 75080; 469.734.3401; charankilana2025@gmail.com

[LinkedIn](#)

CERTIFICATIONS

HashiCorp Certified: Terraform Associate

AWS Certified Solution Architect, AWS

AWS Certified Cloud Practitioner, AWS

EDUCATION

The University of Texas at Dallas

M.S. Information Technology and Management

May 2025

GPA 3.71

PROFESSIONAL EXPERIENCE

Infoane Technologies Pvt Ltd, Telangana, India

Dec 2021 – Jun 2023

DevOps Engineer

- Developed and optimized CI/CD pipelines using Jenkins to automate product lifecycle and deployment in cloud environments, enhancing efficiency and accelerating deployment speed by 40%.
- Optimized and scaled Kubernetes infrastructure by designing efficient manifest files for deployments, enhancing high availability, minimizing manual intervention, and accelerating deployment speed by 50%, ensuring seamless scalability and reliability.
- Managed and optimized cloud infrastructure on AWS by automating provisioning with Terraform and power shell scripting, minimizing manual configuration errors, ensuring consistency, and boosting scalability by 30%.
- Integrated monitoring and alerting tools like Prometheus and Grafana, ensuring high availability and incident response, resulting in a 30-50% reduction in support tickets.
- Reduced Docker image sizes by up to 70% through optimized Docker file practices, improving build times and resource efficiency in containerization on Linux-based systems.

ACADEMIC PROJECT

Monolithic Project

Aug 2024 – Jan 2025

- Implemented YAML-based Ansible playbooks for configuration management, automating infrastructure provisioning and configuration, cutting manual setup time by 50%.
- Automated AWS infrastructure provisioning using Infrastructure as code principles by developing Terraform manifest files and integrating them with Jenkins, enabling seamless and consistent deployments, which reduced infrastructure setup time by 40%.
- Implemented Splunk for centralized Jenkins build logging, reducing troubleshooting time by 40%, and configured Slack notifications for real-time pipeline status updates, increasing team response time by 30%.

CI/CD Workflow Optimization

May 2024 – July 2024

- Integrated Jenkins for continuous integration, automating the build process of a NodeJS application, reducing manual build efforts by 50% and increasing deployment efficiency by 40%.
- Implemented SonarQube for code quality analysis, ensuring every build was analyzed for potential issues with compliance, resulting in a 30% improvement in code quality and a 25% reduction in technical debt over time.
- Leveraged Ansible as a configuration tool to automate application deployment across multiple environments, reducing deployment time by 40%.
- Managed artifacts in Nexus and automated deployments to Tomcat servers on EC2 instances, ensuring streamlined artifact storage and reducing deployment time by 35%, while ensuring reliable and consistent application deployments.

ADDITIONAL INFORMATION

Skills: Python, Java, MySQL, CentOS, GitHub, Bash, Maven, Jenkins, SonarQube, Nexus, Docker, Kubernetes, HELM, Ansible, Terraform, ArgoCD, Prometheus, Grafana, Datadog Splunk, Slack, Trivy, OWASP, Confluence, Jira

Cloud technologies: EC2, S3, IAM, ASG, ELB, EBS, EFS, CodePipeline, CodeCommit, Elastic Beanstack, SNS