

Venkateswarlu Muddam

Hyderabad, India 500081

8555833054

muddhamvenkateswarlu@gmail.com

LinkedIn: <https://www.linkedin.com/in/muddhamvenkateswarlu/>

Professional Summary

Highly skilled DevOps Engineer with overall 3 years of IT experience, highly motivated, a quick learner, can work independently or in a team to drive solutions with minimal supervision and enthusiastic by new challenges and tasks.

Education

Sree Rama Engineering College

2020

Bachelor of Technology: Computer Science and Engineering

Tirupathi, AP

Work Experience

Machint Solutions

January 2022 to Current

DevOps Engineer

Hyderabad, India

- Automated and standardized cloud infrastructure provisioning using Terraform, creating scalable AWS resources like EC2, VPC, and RDS, while ensuring secure remote state management with DynamoDB for state locking.
- Leveraged Docker and Kubernetes to streamline container management and scaling, reducing deployment downtime to under five minutes and accelerating updates by 50%, enhancing overall automation and efficiency.
- Engineered and maintained CI/CD pipelines using Jenkins, incorporating security scans with SonarQube, Trivy, and OWASP Dependency-Check, resulting in a 40% decrease in deployment times and stronger security testing integration.
- Implemented DevOps shift-left concepts to improve code quality, automate security systems, and reduce the risk of breaches by 60%.
- Gained hands-on experience with AWS services, including EC2, VPC, RDS, CodeCommit, IAM, CloudWatch, ECR, ECS, EKS, and Site-to-Site VPN, contributing to improved cloud infrastructure management.
- Setup and maintained a 99% uptime of a network of 70+ servers, ensuring high availability and reliability.
- Developed and optimized Dockerfiles utilizing lightweight images like slim and alpine, implementing multi-stage builds that minimized image layers by 30%, ensuring adherence to best practices in containerization.
- Reduced server maintenance costs by 60% through application optimization and the removal of unnecessary servers and databases.
- Established monitoring and alerting systems using tools like Prometheus, Grafana, and AWS CloudWatch, enhancing visibility into application performance and system health.
- Utilized Dozzle for real-time monitoring of application logs and Promtail for efficient log collection, reducing troubleshooting time by 40%.
- Quickly responded to and resolved debugging issues within production systems, minimizing errors and risks.
- Designed and implemented the infrastructure setup for Appian servers in AWS, ensuring a secure and scalable environment.
- Added execution and analytics engines and static and dynamic URL configurations in the Appian on-prem environment.
- Created virtual machines and allocated disk, RAM, and CPU resources using KVM, enhancing resource utilization and infrastructure flexibility.
- Created and deployed scripts for system maintenance, including data backups and cache management, resulting in a 30% reduction in manual maintenance time and increased system reliability.

Technical Skills

- **Cloud Platform:** AWS
- **Containerization Technology:** Docker, Kubernetes
- **CI/CD Tools:** Jenkins
- **SAST Tools:** SonarQube
- **Container Security Tools:** Trivy
- **Web servers:** Nginx, Apache
- **Build Tools:** Maven
- **Control:** GIT
- **Databases:** MySQL, PostgreSQL, Oracle , MSSQL
- **Global/Central Repo:** CodeCommit
- **Operating System:** Linux, Windows
- **IaC:** Terraform, Ansible
- **Monitoring Tools:** Nagios Core, Nagios XI, Prometheus and Grafana

Certifications & Courses

- Course in Getting started with Kubernetes
- Course in Getting started with Docker
- Course in Getting started with Ansible
- Microsoft Certified: Azure Fundamentals (AZ-900)

Additional Skills and Experience

- Proficient in designing and deploying end-to-end projects using a wide range of DevOps tools and methodologies.
- Expertise in creating Docker files to build and optimize Docker images for containerized applications.
- Strong experience with version control systems like Git and GitHub, including branching, tagging, versioning, and merging.
- Extensive experience in managing package installations, configurations, services, and user management using Ansible Playbooks.
- Proficient in configuring and managing KVM-based virtual machines for efficient and scalable virtualization solutions.
- Designed and implemented secure and scalable infrastructure setups for Appian servers on AWS.
- Installed and configured Appian, including execution and analytics engines, and managed static and dynamic URL configurations in on-prem environments.
- Proficient in utilizing monitoring tools such as Grafana, Prometheus, and ELK for performance and log analysis.
- Expertise in configuring DNS and SSL certificates for secure web hosting, including mapping domains from HTTP to HTTPS.
- Continuously improving professional and technical skills to stay updated with evolving industry trends and technologies.