Venkata Amarnath Malasani

DevOps Engineer | ✉️ mvamarnath63@gmail.com | 📱 +91 6363391848 | 📍 Bengaluru, India

# Professional Summary

Dedicated and results-driven DevOps professional with 3.2 years of hands-on experience in optimizing and streamlining IT operations. Seeking a challenging role to leverage expertise in DevOps technologies and cloud infrastructure to contribute to a dynamic team.

# Technical Skills

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| **Category** | **Technologies** |
| Cloud Technologies | AWS |
| Build Tools | Maven |
| Container Technologies | Docker, Kubernetes, Rancher, Helm |
| Scripting | Shell Scripting |
| Version Control | Git, GitHub |
| Monitoring & Alerting | Prometheus, Grafana, New Relic and CloudWatch |
| Infrastructure as Code | Terraform |
| CI/CD | Jenkins, Argo CD |

# Professional Experience

## Wissen Infotech, Bengaluru — DevOps Engineer

August 2022 – September 2024

* Implemented CI/CD pipelines using Jenkins, GitHub, Maven, SonarQube, Nexus, and Docker, enabling automated build, test, and deployment workflows to AWS EKS.
* Managed GitHub repositories, created feature branches, handled merge requests, resolved conflicts, and enforced branching strategy across teams.
* Built and deployed Docker images to AWS ECR and Docker Hub, integrating with Kubernetes via Helm charts for microservices.
* Deployed microservices on Kubernetes using Helm charts, configured Ingress resources, and managed rolling updates and rollbacks.
* Resolved build, test, and deployment failures by analyzing Jenkins console output, logs, and pipeline history.
* Implemented GitOps with Argo CD for application lifecycle management in Kubernetes clusters.
* Managed Kubernetes clusters using Rancher for centralized administration, RBAC setup, namespace management, and workload deployments.
* Implemented monitoring with Prometheus, Grafana, and New Relic, designing custom dashboards for system metrics (CPU, memory, disk) and configuring alert rules for high CPU/memory usage across infrastructure and applications.
* Wrote shell scripts for automating tasks such as disk cleanup, backup, corn jobs, and application restarts.
* Automated infrastructure provisioning using Terraform for AWS resources like VPCs, subnets, EC2, RDS, IAM, and S3.
* Worked with AWS services including EC2, S3, IAM, EKS, RDS (MySQL/Aurora), ELB, Route 53, CloudWatch, CloudTrail, SNS, and Lambda.
* Designed and configured S3 bucket policies and enabled versioning, encryption, and lifecycle rules for cost-effective and secure storage management.
* Automated backup and restore processes for RDS using AWS Backup and Lambda functions, ensuring data durability and compliance.
* Managed EC2 Auto Scaling Groups with Load Balancers (ALB) to maintain high availability and dynamically handle traffic spikes.
* Configured CloudWatch for log monitoring, custom metrics, and alarms. Integrated with SNS for notification alerts on critical events.
* Used CloudTrail for auditing API activity and identifying security or operational issues.

## Capgemini Technology Services — AWS Cloud Engineer

July 2021 – July 2022

* Assisted in deploying cloud infrastructure using AWS services such as EC2, S3, IAM, and RDS to support scalable application environments.
* Supported CI/CD pipelines using Jenkins and GitHub to automate build and deployment processes for development and staging environments.
* Created and managed S3 buckets with proper versioning, encryption, and lifecycle rules to ensure secure and cost-effective storage.
* Helped configure IAM roles and policies to enforce least-privilege access control across development and testing environments.
* Monitored infrastructure using Amazon CloudWatch, set up basic alarms, and integrated SNS for notification alerts on resource thresholds.
* Worked on VPC configurations including subnets, route tables, internet gateways, and security groups to ensure secure network setup.
* Participated in writing basic Terraform scripts to provision AWS resources such as EC2 instances, VPCs, and S3 buckets.
* Collaborated with the DevOps team to troubleshoot deployment issues and ensure smooth release processes.

# Education

Sri Venkateswara University — Bachelor of Science (Computer Science) 2018 – 2021