



Bala Venkata Mani Kumar V

E-Mail: bvmk04@gmail.com

Contact: +91 – 9494456926

Professional Summary:

IT professional with over 3 years of experience, specializing in Cloud DevOps. Experienced in managing and supporting cloud infrastructure, including virtual machines, storage, and networking. Skilled in automation, security management, and optimizing resources for better efficiency.

Professional Experience:

Ernst & Young (EY) GDS India LLP, Hyderabad

Consultant 1

Sep 2023 – May 2024

Roles and Responsibilities:

- Designed, implemented, and managed AWS-based infrastructure as code (IaC) using Terraform to provision to support large-scale applications, ensuring optimal performance, scalability, and cost-efficiency.
- Developed and maintained CI/CD pipelines using Jenkins, Git, Argo CD to automate code integration, testing, and deployment.
- Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using GIT source control.
- Continuous Delivery is being enabled through Deployment into several environments of Test, QA, Stress and Production using Jenkins.
- Managed containerized applications using Docker and Kubernetes, streamlining deployment processes, and ensuring high availability.
- Led incident management and troubleshooting for production systems, driving down downtime by improving response times and recovery processes.
- Integrated monitoring and alerting solutions using AWS CloudWatch, Prometheus, and Grafana for proactive issue detection and resolution.

Wipro Limited, Hyderabad

Senior Software Engineer

Apr 2022 – Aug 2023

Roles and Responsibilities:

- Automated infrastructure provisioning across development, testing and production environments using Terraform and Ansible, significantly reducing manual configuration efforts.
- Utilized Jenkins and GitOps to develop CI/CD pipelines for continuous integration and deployment to Kubernetes clusters, leading to a 50% reduction in deployment time.
- Integrated and managed tools like SonarQube for code quality analysis, Trivy for Vulnerabilities and Insight Tool for performance monitoring and optimization.
- Designed and deployed Kubernetes clusters on AWS, ensuring high availability and scalability for microservices-based applications.

- Optimized cloud infrastructure to ensure scalable and resilient systems.
- Worked closely with development teams to adopt DevOps best practices, such as Infrastructure as Code (IaC) and continuous integration.
- Enhanced the security posture of cloud environments by implementing monitoring solutions (Prometheus, Grafana) and setting up alerts for critical system thresholds.
- Contributed to project-specific CI/CD automations, enhancing deployment efficiency and reducing manual efforts.

Dovekie Technologies Private Limited, Hyderabad

Cloud DevOps Intern

Apr 2021 – May 2022

Roles and Responsibilities:

- Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using GIT source control.
- Continuous Delivery is being enabled through Deployment into several environments of Test, QA, Stress and Production using Jenkins.
- Implement, maintain and support reliable, timely and reproducible builds for project teams.
- Hands on experience in automating builds and deployment process using Shell scripting.
- Expertise level knowledge of Amazon EC2, Amazon S3, Amazon RDS, Auto scaling, Elastic Load Balancing and Cloud Watch.
- Creating Application Load Balancing for the EC2 Applications for scalable & highly available, Managing SSL Certificates in ACMs.
- Monitoring all the CPU, RAM & Disk utilizations in CloudWatch Alarm's.

Technical Skills:

Operating System	Linux, Windows
AWS Services	EC2, VPC, S3, EBS, EFS, ACM, Route53, CloudFront, IAM, ELB, RDS, CloudWatch, CloudTrail, Lambda, Event Bridge.
Version Control System	Git, GitHub
Scripting Languages	Shell, Groovy, YAML
CI/CD Tools	Jenkins, GitHub Actions, GitOps (Argo CD)
Artifactory	Azure Artifacts, JFrog Artifactory, Sonatype Nexus
Infrastructure as Code	Terraform, CloudFormation
Static Code Analysis	SonarQube
Vulnerability Scanner	Trivy
Containerization	Docker, Docker Hub, ECR, ACR
Container Orchestration	Kubernetes, EKS, AKS

Educational Details:

- Bachelor Of Technology from JNTUK.