



Bala Venkata Mani Kumar V

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**DevOps Engineer**

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### **Professional Summary:**

A highly motivated professional with 2 years in the IT industry with a focus on DevOps. Adept at leveraging strong problem-solving skills and technical expertise in automation, continuous integration, and cloud infrastructure management.

### **Professional Experience:**

**Ernst & Young (EY) GDS India LLP, Hyderabad**

**Consultant 1**

**Aug 2023 – May 2024**

#### **Roles and Responsibilities:**

- Designed, implemented, and managed AWS-based infrastructure 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.
- Managed containerized applications using Docker and Kubernetes, streamlining deployment processes, and ensuring high availability.
- Worked closely with development teams to adopt DevOps best practices, such as Infrastructure as Code (IaC) and continuous integration.
- 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 and Azure, ensuring high availability and scalability for microservices-based applications.
- Optimized cloud infrastructure (AWS, Azure) to ensure scalable and resilient systems.

- Enhanced the security posture of cloud environments by implementing monitoring solutions (Prometheus, Grafana) and setting up alerts for critical system thresholds.

#### Technical Skills:

<b>Operating System</b>	Linux (Ubuntu, CentOS), Windows
<b>Version Control System</b>	Git, GitHub, GitLab
<b>Scripting Languages</b>	Shell, YAML
<b>Containerization</b>	Docker, Docker Hub, ECR
<b>Container Orchestration</b>	Kubernetes, EKS, AKS
<b>Cloud Technologies</b>	AWS, AZURE
<b>CI/CD tools</b>	Jenkins, GitHub Actions, GitOps (Argo CD)
<b>Configuration Management Tools</b>	Ansible Playbook
<b>Infrastructure as Code</b>	Terraform
<b>Artifact Repository</b>	Sonatype Nexus Repository, JFrog
<b>Static Code Analysis</b>	SonarQube
<b>Vulnerability Scanner</b>	Trivy
<b>Monitoring &amp; Logging</b>	Prometheus, Grafana, ELK Stack

#### Educational Details:

- Bachelor Of Technology from JNTUK.

#### Work Experience Details:

- Worked as Consultant 1 in Ernst & Young Global Delivery Services India LLP from September – 2023 to May – 2024.
- Worked as Sr. Software Engineer in Wipro Limited from April – 2022 to August – 2023.
- Worked as Site Engineer in Vasavi Constructions from April – 2018 to October – 2021.