

BHUKYA VENKATESH

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OBJECTIVE

- Innovative **DevOps Engineer** with **1+ years** of experience streamlining **CI/CD pipelines**, cloud deployments, and automation workflows across dynamic environments.
- Proficient in **AWS**, **Kubernetes (EKS)**, **Docker**, and **Terraform**, ensuring scalable, resilient, and secure infrastructure operations.
- Hands-on expertise in **Jenkins**, **GitHub Actions**, **Ansible**, and automated provisioning of **VPC**, **EC2**, **IAM**, **Security Groups**, and networking components.
- Adept at implementing **monitoring/alerting** with **CloudWatch**, **Prometheus**, and **Grafana** to enhance system reliability and performance.
- Focused on driving **continuous delivery**, process optimization, and cross-team collaboration to accelerate high-quality software releases.

WORK EXPERIENCE

PRIACC INNOVATIONS – DevOps Engineer Jan 2025 - Present

- Automated CI/CD pipelines using Jenkins, GitHub, Docker, and Kubernetes, improving deployment reliability and reducing manual effort.
- Designed and managed AWS infrastructure including EC2, VPC, S3, IAM, EBS, and Security Groups for scalable and secure cloud environments.
- Implemented Infrastructure as Code (IaC) using Terraform and Ansible to create repeatable, version-controlled environment provisioning.
- Expert in containerization & orchestration with Docker, Docker Compose, and Amazon EKS, enabling highly available microservices deployments.
- Administered Linux servers (Ubuntu & Amazon Linux) for application deployments, patching, performance tuning, and troubleshooting.
- Developed Python automation scripts for configuration tasks, scheduling, log processing, and operational efficiency improvements.
- Integrated monitoring & logging solutions such as CloudWatch, Prometheus, and Grafana to track performance, metrics, and system health.
- Implemented secure cloud architectures with strong focus on access control, IAM policies, network security, backups, and cost optimization.
- Delivered automated deployment workflows and cloud resource provisioning for lab and real-time project environments.
- Strong foundation in DevOps methodologies, Agile collaboration, Git-based workflows, and end-to-end build, release, and deployment processes.

PROJECTS

PROJECT-1 HRM TOOL :

- Designed and automated end-to-end **CI/CD pipelines** using **Jenkins**, integrating **Git, Docker**, and multi-environment AWS deployment workflows.
- Provisioned **AWS infrastructure** with **Terraform and Ansible**, including **VPC, subnets, EC2, EBS, IAM, and Security Groups**, ensuring scalable and secure environments.
- Built and deployed **containerized applications** using **Docker** and orchestrated workloads on **Kubernetes (EKS)** for high availability and zero-downtime releases.
- Automated **build, test, and deployment** workflows with Jenkins pre/post stages, enabling **one-click deployments** across dev, test, and production environments.
- Developed **Python automation scripts** for server tasks, environment setup, and operational workflows, reducing manual effort and improving efficiency.
- Configured system **monitoring and alerting** with **Amazon CloudWatch**, managing AMIs, snapshots, EBS volumes, and performing server maintenance on Ubuntu & Amazon Linux.
- Implemented **secure cloud practices** including IAM access control, security group hardening, backup automation, and supported Tomcat application deployments with health checks.

• PROJECT-2 ZOD-TRACK –PROJECT MANAGEMENT PLATFORM

Deployed a fully **containerized project management platform** on AWS using **Docker**, CI/CD automation, and IaC for scalable, high-availability cloud operations.

- Built automated **CI/CD pipelines** with **Jenkins/GitHub Actions** for continuous integration, testing, and multi-environment deployments (dev, staging, prod).
- Designed and implemented a **cloud-native microservices architecture** on AWS, enabling horizontal scaling and **zero-downtime** application releases.
- Integrated **AWS CloudWatch**, centralized logging, and alerting systems for real-time performance monitoring and proactive issue detection.
- Automated provisioning of **AWS resources** using **Terraform and Ansible**, delivering consistent, reproducible environments and reducing deployment time by **70%**.
- Optimized cloud infrastructure with best practices in **security, scaling, cost management**, and automated operational workflows.

SKILLS

linux AWS Maven Jenkins Git Docker Kubernetes Terraform AWS Cloud EC2 VPC RDS S3 CloudWatch IAM SNS Route 53 IAC Prometheus Visual Studio AWS Services Auto Scaling Agile AWS RDS ELB EBS Python CloudFormation AWS EC2 CloudFront Microservices Git Flow EKS AWS ECS Grafana

EDUCATION

06/2019 - 07/2022
Hyderabad

B.Tech [MECHANICAL ENGINEER]

JOGINAPALLY B R ENGINEERING COLLEGE