

ANKITH B V

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Skills

Cloud & Infrastructure	AWS, Azure, Terraform, Ansible, Jenkins, GitLab
Containers & Orchestration	Docker, Kubernetes
Languages & Version Control	Python, Bash, MySQL, NoSQL, HTML, CSS, JavaScript, Git, GitHub
Observability & Monitoring	Prometheus, Grafana, ELK Stack

Experience

Velankani AI and Cloud Solutions <i>DevOps Engineer</i>	Jan 2025 – Present
<u>Project: Cloud Infrastructure Migration (AWS to Vultr)</u>	
<ul style="list-style-type: none">– Led the migration of production infrastructure from AWS to Vultr, designing secure and cost-efficient cloud architecture using Terraform.– Provisioned bastion hosts, private networks, load balancers, and compute instances, implementing strong security with isolated subnets and controlled SSH access.– Automated provisioning, resource configuration, and monitoring setup using Terraform, Prometheus, Grafana, ensuring stable and observable environments.	
<u>Project: SFCS – Microservices Development, CI/CD, and Kubernetes Deployment</u>	
<ul style="list-style-type: none">– Developed and enhanced application microservices, contributing to both backend logic and frontend features while ensuring clean, modular code practices.– Created and optimized Dockerfiles for multiple microservices, improving image efficiency, build time, and consistency across environments.– Built and maintained a fully automated Jenkins CI/CD pipeline integrating Git webhooks, automated testing, Docker builds, artifact versioning, and deployment to Kubernetes.– Deployed application components to Kubernetes using Deployments, Services, ConfigMaps, and Ingress, ensuring scalability and reliable service communication.– Managed Kubernetes rollouts using RollingUpdate strategies, reducing downtime and ensuring safe and controlled deployments.– Implemented monitoring, logging, and alerting using Prometheus & Grafana, enabling real-time visibility into microservice performance and system health.– Supported infrastructure automation using Terraform, standardizing resource provisioning and maintaining consistent cloud environments.– Collaborated with the development and DevOps teams to improve build pipelines, containerization standards, and cloud-native deployment strategies.	

Projects

Wanderlust – CI/CD Pipeline & Kubernetes Deployment  — <i>Jenkins, Docker, Kubernetes, SonarQube, Trivy, Observability</i>
<ul style="list-style-type: none">– Built an end-to-end Jenkins CI/CD pipeline integrating code quality checks, security scans (OWASP, Trivy), Docker image builds, and automated deployments to Kubernetes.– Configured GitHub webhook triggers and SonarQube quality gates to enforce secure and high-quality code standards before release.– Implemented Prometheus & Grafana monitoring with Jenkins email notifications for real-time visibility and faster troubleshooting.

Highly Available Web Application on AWS  — <i>AWS, VPC, EC2, ALB, Auto Scaling, Terraform, CloudWatch</i>
<ul style="list-style-type: none">– Designed a multi-AZ VPC architecture with public/private subnets, NAT gateway, routing policies, and secure access using IAM and security groups.– Deployed scalable EC2 Auto Scaling Groups behind an Application Load Balancer (ALB) with health checks for high availability and efficient traffic handling.– Automated resource provisioning with Terraform and configured CloudWatch metrics & alarms for system health and scaling actions.

Education

MVJ College of Engineering <i>Bachelor of Engineering in Computer Science</i>

2019 – 2023