Ananth Pai B H
Technical Support Engineer

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Professional Summary

Computer Science graduate with hands-on experience in DevOps tools, AWS cloud services, and automation using CI/CD pipelines. Strong understanding of SDLC, STLC, and UML principles applied in projects. Quick learner with basic Linux/shell scripting skills and a collaborative, process-oriented mindset.

Work Experience

Technical Support Engineer, *VIS Networks Pvt Ltd.*   12/2021 – Present | Bengaluru, KA
AWS: End-to-End CI/CD Pipeline for Flask App with EC2 Deployment
- Designed and implemented an SDLC-aligned CI/CD pipeline using native AWS services.
- Automated build, testing, and deployment phases to EC2 using CodePipeline and CodeDeploy.
- Configured secure secret handling via Parameter Store and artifacts in S3.
- Ensured testing and defect handling stages following STLC principles.

Projects

Infrastructure Deployment on AWS
- Provisioned and configured **AWS EC2 instances** with appropriate instance types and security settings to host applications and services.
- Designed and implemented **VPC architecture** with custom subnets, route tables, and internet gateways for secure and scalable networking.
- Managed **S3 buckets** with lifecycle policies and bucket policies to optimize storage and control data access.
- Created and managed **IAM users, groups, and roles** with fine-grained policies to enforce **least privilege** access control.
- Assisted in configuring **security groups** and **NACLs** to manage traffic flow and enhance security across AWS resources.

Automation of CI/CD Pipeline for Django Web Application using AWS,GIT,JENKINS,DOCKER & KUBERNETES
- Designed and implemented a CI/CD pipeline using **Jenkins** to automate build, test, and deployment of a Django-based web application.
- Integrated **GitHub** with Jenkins using **webhooks** to trigger builds automatically on code commits.
- Built and managed **Docker images** for the application, pushing them to **Docker Hub** for deployment.
- Deployed the application on a **Kubernetes cluster** running on **AWS EC2**, using custom **YAML files** (Deployment, Service, ConfigMap).
- Used **Nginx** as a reverse proxy and collaborated with developers to ensure smooth, automated deployments with minimal downtime.

Skills

DevOps Tools: Kubernetes, Docker, Ansible, Jenkins, Terraform, Git, Linux OS
Cloud Platforms: AWS (EC2, S3, IAM, EBS, Load Balancing, CloudWatch etc.)
Programming & Scripting: Bash, Shell Scripting, YAML
Software Engineering & Methodologies: SDLC (Agile, Waterfall), STLC
Operating Systems & Tools: Windows, Linux, Apache, Prometheus, Grafana
Soft Skills: Communication, Client interaction, Requirement gathering, Team collaboration

Certificates

AWS Solution Architect (MicroDegree)

DevOps Engineer (MicroDegree)

Education

Bachelor of Computer Application, *Canara First Grade College*   2018 – 2021 | Manglore