NAYAN ZAGADE

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PROFILE

Entry-Level Cloud & DevOps Engineer with hands-on experience in AWS, Kubernetes, Docker, Jenkins, Terraform, and CI/CD automation. Skilled in cloud deployments, container orchestration, infrastructure as code (IaC), monitoring, and cost optimization. Strong ability to deploy scalable, secure, and automated cloud-native applications.

PROFESSIONAL EXPERIENCE

DevOps Engineer - Intern

HumanCloud Technologies | Pune | 07/2025 – Present

- Implemented AWS cost optimization strategies by improving EC2/EKS configurations and leveraging Spot Instances.
- Deployed and managed EKS clusters with Karpenter for efficient, dynamic, and scalable node provisioning.
- Configured Argo Rollouts for blue-green and canary deployments enabling zero-downtime releases.
- Integrated DynamoDB for scalable metadata storage supporting log management workloads.
- Automated CI/CD pipelines using Jenkins, GitHub, Helm, and Kubernetes manifests.
- Strengthened cloud infrastructure using IaC (Terraform), monitoring, and container orchestration best practices.

PROJECTS

GlidingPath – Cloud Deployment Project (AWS ECS)

- Containerized and deployed frontend, backend, Keycloak, Redis, and JBoss Workbench services using ECS on EC2/Fargate-style instances.
- Configured ALB with path-based routing, target groups, and health checks.
- Implemented ACM SSL with full HTTPS support and HTTP → HTTPS redirection.
- Integrated Keycloak for centralized IAM.
- Deployed Redis for performance optimization and caching.
- Ensured production-grade reliability using ECS auto-scaling, IAM roles, and secure networking.

LeaseOasis & Property Bulls – Multi-Architecture EKS Deployment

- Designed and deployed EKS clusters supporting x86 and ARM workloads.
- Applied cost optimization using EC2 Spot Instances with Karpenter.
- Integrated Argo Rollouts for canary deployments with real-time monitoring.
- Automated cluster scaling to handle variable workloads.
- Enhanced deployment pipeline using Helm and Kubernetes manifests.

CI/CD Pipeline with Jenkins

- Built a Declarative Pipeline for Java applications covering build, test, analysis, package, and deploy stages.
- Integrated SonarQube for static code analysis and security checks.
- Packaged and containerized applications using Docker.

- Published Docker images to private registries.
- Automated artifact deployment to Apache Tomcat on AWS EC2 using SSH and SCP.

AWS Infrastructure Deployment using Terraform

- Provisioned VPC, subnets, Internet Gateway, route tables, security groups, and EC2 instances using Terraform.
- Deployed a production-ready web server inside the created cloud infrastructure.

SKILLS

DevOps Tools: CI/CD, Git, GitHub, Jenkins, Docker, Kubernetes, Argo Rollouts, Helm, SonarQube, Terraform, Ansible, Infrastructure as Code (IaC), Pipelines as Code

Cloud Platforms: AWS, GCP

Services & Concepts: EC2, EKS, ECS, IAM, ALB, VPC, CloudWatch, Auto Scaling, Load Balancing

Programming: Python, Groovy DSL, Linux Shell

Operating Systems: Linux, Windows, macOS

EDUCATION

BTech in Computer Engineering

DY Patil School of Engineering and Technology | 2021 – 2024

Diploma in Computer Engineering

DY Patil Polytechnic | 2018 – 2021

Secondary School (10th)

ADV Bapusaheb Bhonde High School | 2018

CERTIFICATIONS

✓ Advanced Certification in Cloud Computing & DevOps (IIT Guwahati – Ethans Tech)
✓ AWS Cloud Technical Essentials – Coursera
✓ Machine Learning Using Python – D.Y. Patil University