Pratik Karande

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PROFILE

Cloud DevOps Engineer with 3+ years of experience in AWS services, CI/CD pipelines, and containerization. AWS Certified Solutions Architect, specializing in infrastructure automation, deployment strategies, and on-prem to cloud migrations.

EDUCATION

Shivaji University   *Kolhapur , India*
Bachelor of Engineering in Computer Science and Engineering

MSBTE   *Mumbai , India*
Diploma in Computer Engineering

TECHNICAL SKILLS

AWS EC2, S3, ECS, IAM, VPC, ELB, Route53, AWS Cloud Services, Docker, ECS, Jenkins, Git, Ansible, Terraform, Linux Administration, Python, shell Scripting, SonarQube, Nexus, SQL, Kubernetes, GitHub

EXPERIENCE

Virtusky IT Pvt Ltd   *Pune, India*
AWS DevOps Engineer   *Dec 2021 – Present*

- Developed and maintained CI/CD pipelines using Jenkins, Git & Docker, reducing deployment time by 40%.
- Maintained and optimized container image repositories, primarily using JFrog Artifactory.
- Implemented infrastructure as code using Terraform & Ansible, reducing provisioning time from days to hours.
- Played a key role in migrating over 10 applications from on-prem to AWS, improving performance and cutting infrastructure costs by roughly 30%.
- Designed optimized VPC architectures, improving network performance by 25% and cutting downtime.
- Managed AWS services like EC2, S3, and VPC, and helped achieve nearly 99.99% uptime for key environments.
- Containerized several legacy applications using Docker, leading to about 30% fewer deployment issues.
- Worked on on-premises to cloud migration, helping transition legacy systems to AWS for 6 core systems.
- Developed IAM policies and roles, reducing unauthorized access incidents by 100%.
- Created custom automation scripts to manage routine system maintenance tasks on Linux servers, cutting down manual effort by nearly half.
- Worked on creating and configuring Ansible infrastructure 3 enterprise projects.

PROJECTS

1. CI/CD Pipeline Automation

Project: Designed and implemented a Jenkins CI/CD pipeline for a microservices-based application.

Tech: Jenkins, Docker, Kubernetes, SonarQube, Nexus

Achievements:

- Reduced deployment time by 40% by automating build, test, and deployment stages.
- Integrated SonarQube for static code analysis, reducing bugs by 25%.
- Enabled blue-green deployments in Kubernetes to minimize downtime.

2. Infrastructure as Code (IaC) using Terraform

Project: Automated cloud infrastructure provisioning on **AWS** using Terraform.

Tech: Terraform, AWS (EC2, S3, VPC, RDS), Ansible

Achievements:

- Deployed multi-region highly available infrastructure with auto-scaling.

- Reduced manual setup time by 70% using Terraform modules.

- Implemented state locking & remote backend for team collaboration.

3. Kubernetes Cluster Setup & Management

Project: Deployed and managed a Kubernetes cluster for a containerized application.

Tech: Kubernetes (EKS/AKS/GKE), Helm, Prometheus, Grafana

Achievements:

- Automated scaling using **Horizontal Pod Autoscaler (HPA)**.

- Set up **Prometheus & Grafana** for monitoring cluster health.

- Reduced cloud costs by **20%** with resource optimization.