

ABHINAV TARHEKAR

DevOps Engineer

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Summary

DevOps Engineer with 3 years of experience focused on automation and continuous delivery. Expertise in AWS, with strong hands-on experience in containerization, orchestration, CI/CD pipelines, and infrastructure automation. Passionate about delivering high-quality, scalable, and secure applications through agile methodologies and continuous improvement.

Skills

Kubernetes • Terraform • Docker • Jenkins • GitHub Actions • Git • Linux • Prometheus • New Relic • AWS Services • Shell Python Scripting • SonarQube

Experience

Capgemini

Associate Consultant B1, DevOps

03/2022 - Present

- Deployed and managed **Kubernetes** services (including Virtual Service Gateways and HPAs), achieving 99.99% system uptime.
- Developed and maintained **Jenkins** pipelines for automated build, testing, containerization and deployment processes.
- Leveraged **GitHub Actions** to Build Docker images, scan code with **Veracode** & **SonarQube** enhancing code quality and security upto 25% .
- Integrated test driven development & Scripted Cypress pipeline for automated testing across multiple environments, reducing time by 38%.
- Designed and implemented **Docker** containers and Kubernetes clusters (EKS) for efficient application deployment and scaling.
- Successfully migrated from a Kops cluster to AWS EKS, improving cluster scalability and simplifying cluster management.
- Implemented **Terraform** for automated infrastructure provisioning, reduction in deployment time & improved consistency across environments.
- Effectively managed incident response efforts, collaborating with cross-functional teams to resolve critical issues swiftly.
- Adherence to secure coding practices to mitigate vulnerabilities, protect sensitive data, and ensure secure software solutions.
- Improved software delivery by implementing multibranch scripted pipelines and utilize Confluence for centralized release management.
- Managed AWS services including **EC2, S3, Aurora DB, VPC, Route53, LB, Lambda, CodePipeline**, along with **CodeDeploy** and **Api-Gateway**.

Projects

McDonald's Project

Pune, India

12/2022 - Present

Automate Infrastructure provisioning and streamline Dot-net Application Deployments

- Designed Prometheus monitoring to track key metrics (request, error, response times) & optimized resource allocation based on real-time.
- Successfully Automation of API Gateways with Terraform for secure and efficient microservice exposure.
- Optimized system resources by configuring load balancing strategies across servers and clusters.
- Grafana for monitoring applications during the deployment process & implementing a blue-green deployment strategy.

COX Account

Pune, India

05/2022 - 12/2022

Implementation of AWS-based infrastructure and CI/CD

- Deployed Infrastructure as Code (IaC) solutions using AWS CloudFormation for consistent in infrastructure provisioning.
- Integrated EKS with AWS services such as IAM, VPC, and CloudWatch for enhanced security, network isolation, and comprehensive monitoring.
- Experience monitoring infrastructure health, system security, site stability, and performance.
- Maintained documentation outlining configuration settings, network diagrams, and other essential information related to infrastructure assets.

Certification

AWS Certified Solutions Architect - Associate (SAA-C03)

AWS Certified Cloud Practitioner (CLF-C01)

Education

G.H Raisoni College of Engineering & Autonomous

Bachelor of Technology (Computer Science & Engineering)

Date period