ABHINAV TARHEKAR

DevOps Engineer

+91-7798749986 • abhinav.tarhekar99@gmail.com • https://github.com/Abhinav-Tarhekar

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.
- Leveraged **GitHub Actions** to Build Docker images, scan code with **Veracode** & **SonarQube** enhancing code quality and security upto 25% .
- Developed and maintained **Jenkins** pipelines to automate the continuous deployment of applications to a Kubernetes cluster.
- 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.
- Facilitated cross-functional collaboration during production incidents, effectively coordinating teams to troubleshoot, resolve and provide RCA.
- 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 Automated Creation of API Gateways with Terraform for secure and efficient microservice exposure.
- Provisioned and managed a production-grade AuroraDB cluster using Terraform, implementing high availability, security best practices (encryption, access control), and automated backups.
- Enhancing infrastructure by merging application deployment and adding critical data management features like bucket versioning.

COX Account   Pune, India
                                                      05/2022 - 12/2022

Implementation of AWS-based infrastructure and CI/CD

- Maintained documentation outlining configuration settings, network diagrams, and other essential information related to infrastructure assets.
- Collaborated with the team on the implementation of IaC using AWS CloudFormation to ensure consistent infrastructure deployments.
- Integrated EKS with AWS services such as IAM, VPC, and CloudWatch for enhanced security, network isolation, and comprehensive monitoring.
- Proactively monitored infrastructure health, system security, stability & performance to identify and address potential issues.

Certification

AWS Certified Cloud Practitioner (CLF-C01)

AWS Certified Solutions Architect - Associate (SAA-C03)

Education

G.H Raisoni College of Engineering & Autonomous

Bachelor of Technology (Computer Science & Engineering)