

# ABHINAV TARHEKAR

## DevOps Engineer

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## Summary

DevOps Engineer with 3 years of experience in automating CI/CD pipelines and delivering scalable, secure, and high-quality applications on AWS. Skilled in containerization, orchestration, and infrastructure automation. A collaborative team player with a proven track record of working with Product Owners and Architects in dynamic, fast-paced environments. Committed to agile methodologies and driving continuous improvement.

## Skills

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

## Experience

### Capgemini

Associate Consultant B1, DevOps

03/2022 - Present

- Deployed and managed **Kubernetes** services, including Ingress, Istio, Virtual Service Gateways, and HPAs, ensuring 99.99% system uptime.
- Supported production deployments with **Jenkins**, resolving issues with third-party applications to ensure system reliability.
- Utilized **GitHub Actions** to build Docker image, integrate Veracode & SonarQube for code scanning, improving code quality & security by 25%.
- Mentoring and coaching DevOps resources across multiple projects, facilitating skill development and knowledge sharing.
- 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.
- Efficiently managed incident response processes, coordinating with cross-functional teams to promptly resolve critical issues.
- Applied secure coding practices to address vulnerabilities, safeguard sensitive data, and enhance software security.
- 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

12/2022 - Present

Automated infrastructure provisioning and streamlined .NET application deployments for production environments.

- Designed Prometheus monitoring to track key metrics (request, error, response times) & optimized resource allocation based on real-time.
- Successfully automated the creation of API Gateways using Terraform, enabling secure and efficient exposure of microservices.
- Optimized system resource utilization by implementing and configuring load balancing strategies across servers and clusters.
- Conducted performance testing and analysis of applications under 2x and 5x load conditions, identifying and resolving performance bottlenecks to ensure application stability and scalability prior to deployment.

### COX Account

05/2022 - 12/2022

Implementation of AWS-based infrastructure and CI/CD

- Developed and implemented an automated CI/CD pipeline using AWS Lambda, CodeCommit, CodeBuild, and CodeDeploy to orchestrate application deployments to an EKS cluster, improving deployment frequency and reducing manual effort.
- Implemented AWS GuardDuty, WAF, and CloudTrail to enhance security by detecting threats, protecting web applications, and providing comprehensive logging and monitoring
- Configured IAM policies and Role based access control (RBAC) to enforce least-privilege access and safeguard infrastructure.

## 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)