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

Associate Consultant B1, DevOps
03/2022 - Present

Capgemini

- 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

Bachelor of Technology (Computer Science & Engineering)

G.H Raisoni College of Engineering & Autonomous