Shabnam

DevOps Engineer

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Profile Summary

DevOps Engineer with over 3.6 years of hands-on experience delivering cloud-native, secure, and scalable solutions across AWS and Azure. Proven expertise in building robust CI/CD pipelines, implementing infrastructure as code using Terraform and Ansible, and enabling DevSecOps practices using tools like SonarQube, Trivy, and Checkov. Skilled in Kubernetes, Docker, Jenkins, GitOps, and cross-functional collaboration in Agile environments.

Skills

Cloud Providers
AWS (EC2, S3, IAM, CodeDeploy), Azure (Azure DevOps, Azure Monitor), GCP (Basic knowledge)

CI/CD Tools
Jenkins, GitHub Actions, Azure Pipelines, AWS CodeBuild, Harness, GitLab Cl

Infrastructure and Configuration Management
Terraform, CloudFormation, Ansible

Version Control:
Git, GitHub, Bitbucket

Security Tools
Trivy, Checkov, SonarQube, OWASP ZAP, Dependency-Check, JFrog

Scripting Languages
Python, Bash, Powershell

Monitoring & Logging:
Prometheus, Grafana, Azure Monitor, CloudWatch

Containerization & Orchestration:
Docker, Kubernetes (EKS, namespaces, Helm)

Professional Experience

Software Engineer, *TestingXperts Pvt Ltd*   01/2022 – Present   Chandigarh

- Designed and deployed secure, scalable CI/CD pipelines using Jenkins and ArgoCD for Java and Python applications.
- Automated infrastructure provisioning with Terraform and Azure DevOps, reducing provisioning time by 0%.
- Integrated SAST, SCA, DAST, and container security tools (SonarQube, OWASP, Trivy, Checkov) into pipelines, reducing vulnerabilities by 70%.
- Deployed containerized apps on Kubernetes (EKS/AKS) with Helm; implemented blue-green deployments and autoscaling.
- Enhanced observability with Azure Monitor, Prometheus, and Grafana; improved system reliability and response time.
- Collaborated in Agile teams to deliver DevOps capabilities across the SDLC.

Projects

SRA, *TestingXperts Pvt Ltd, Chandigarh*   08/2024 – Present

- Enhanced Infrastructure-as-Code (IaC) templates using Terraform and implemented via Azure DevOps, decreasing cloud provisioning timelines by 0% and enhancing configuration compliance across 20+ applications.
- Implemented Checkov to check the syntax of resources to be deployed on Azure.
- Executed Checkov for pre-deployment scanning, catching 90% of IaC misconfigurations.

- Amplified real-time monitoring and incident response using Azure Monitor and custom dashboards.
- Collaborated in Agile teams, participating in daily stand-ups, sprint planning, and cross-functional reviews to ensure timely DevOps deliverables across SDLC.

TX-DevSecOps, *TestingXperts Pvt Ltd, Chandigarh*   01/2023 – 07/2024
- Delivered and implemented end-to-end CI/CD pipelines for a Java-based application using Jenkins.
- Accelerated SAST (SonarQube), SCA (OWASP Dependency-Check), and DAST (OWASP ZAP) into the pipeline.
- Launched Trivy and Checkov to scan Docker images and Kubernetes manifests before deployment.
- Deployed containerized apps to Kubernetes namespaces (staging & production) using Helm.
- Reduced critical vulnerabilities by 70% and improved deployment lead time from 60 minutes to 15 minutes.
- Elevated proactive monitoring and alerting with Prometheus and Grafana for Jenkins and pod health.

ASTM, *TestingXperts Pvt Ltd, Chandigarh*   04/2022 – 12/2022
- Deployed Python Flask microservices on AWS EKS using Jenkins and ArgoCD.
- Developed containerized applications using Docker and implemented blue- green deployment strategies with integrated rollback capabilities to ensure zero-downtime releases and enhanced system reliability.
- Achieved 50% reduction in release time.
- Elevated Kubernetes configurations for performance and autoscaling.

Internship

- Worked on AWS icludes S3, EC2, VPC.   01/2022 – 03/2022
- Learned Bash Scripting.

Education

Bachelor of Engineering and Technology, *Rayat Bahra University*   08/2018 – 01/2022
                                                                                          Mohali, India

Certificates

AZ-900(Microsoft Azure Fundamentals)

Gained foundational knowledge of cloud concepts, Azure services, pricing models, and security principles.

GCP Badges

Learned and hands on basics of GCP cloud like Compute Engine, Looker Studio, Cloud Run