Mansi Mohan Khamkar

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SUMMARY

DevOps Engineer with hands-on experience in CI/CD pipelines, process optimization, and team collaboration. Skilled in automation and eager to contribute to innovative DevOps solutions.

EXPERIENCE

Product Engineer (Devops)

LTIMindtree **August 2024 - Present, Mumbai**

- Developed and maintained CI/CD pipelines using Jenkins for both Java and Python-based deployments.
- Optimized CI/CD processes by transforming Jenkins pipelines into efficient GitHub Actions, reducing infrastructure and maintenance costs by 30-50%.
- Constructed a seamless pipeline using API integrations for efficient Jira ticketing from Dependabot alerts, reducing manual intervention.
- Engineered robust infrastructure on GCP, leveraging Terraform to decrease provisioning time by 25% and improve scalability.
- Implemented MBPL in Jenkins, converted Docker files to multi-stage Dockerfiles, automated CAST and image scanning using Jenkins and GitHub, and migrated npm and pip packages to centralized registry management.
- Generated cluster health check reports and monitored the same using GitHub Actions workflows, ensuring 99.9% uptime.

PROJECT

Continuous Integration of Microservices

- Implemented a CI pipeline using GitHub Actions for Python, UI, and Java code, reducing integration time by 40%.
- Automated linting, formatting, and testing processes.
- Integrated SonarQube for code quality analysis.
- Configured the workflow to trigger on code push events, ensuring continuous integration and code quality.

Automated Jira ticket Creation for Dependabot alerts

- Developed a GitHub Actions workflow to automate Jira ticket creation for alerts generated by Dependabot in GitHub repositories, reducing manual ticket creation time by 50%.
- Leveraged Bash scripting alongside Jira and GitHub APIs to extract relevant information and create tickets, ensuring seamless integration and efficient issue tracking.
- Enhanced the efficiency of handling security vulnerabilities and dependency updates.

Continuous Deployment of Microservices

- Developed and implemented a CI/CD pipeline using GitHub Actions and Helm to automate microservice deployments to Google Cloud Platform.
- Utilized advanced tools including `google-cloud-cli`, `kubectl`, Docker, and BuildKit for efficient image management and Kubernetes cluster orchestration.
- Deployed managed images to Kubernetes clusters using Helm, significantly enhancing deployment efficiency and reliability.

End-to-End CI/CD Pipeline for Java Web Application

- Implemented a comprehensive CI/CD pipeline using Jenkins, GitHub, Maven, Docker, Amazon ECR, and Kubernetes.
- Automated builds and Dockerized the application, deploying Docker images to a Kubernetes cluster for scalable and reliable updates.
- Integrated webhooks for continuous integration, significantly reducing deployment time and manual intervention while ensuring high availability and scalability.

EDUCATION

Bachelor of Engineering in Electronics and Telecommunication

St. Francis institute of Technology • Mumbai • 2019 • 9.43 CGPA

SKILLS

Coding: Python, Bash, PowerShell

Cloud Platforms: Azure, AWS, Google Cloud

CI/CD Tools: Jenkins, GitHub Actions

Configuration Management: Ansible

Containerization and Orchestration: Docker, Kubernetes

Infrastructure as Code (IaC): Terraform