Ashish Sawant

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SUMMARY

Results-driven DevOps Engineer with 3+ years of experience in automation, cloud infrastructure management, and CI/CD pipeline development. Expertise in AWS, Azure, Kubernetes, Terraform, Jenkins, and Kafka. Passionate about optimizing deployments, improving security, and ensuring high system reliability. Adept at monitoring, incident response, and infrastructure as code (IaC). Strong background in DevSecOps, observability, and security bestpractices

EDUCATION

TERNA ENGINEERING COLLEGE Maharashtra, Mumbai

Bachelor in Information Technology, GPA: 8.2 **June 2017 - March 2021**

WORK EXPERIENCE

DEVOPS ENGINEER

- Started my career with a strong focus on Kafka, automation, and CI/CD processes, leveraging tool like Jenkins, Terraform, Docker, Kubernetes and Ansible.
- Mastered the orchestration and optimization of Kafka ecosystems, enhancing broker stability and connector performance; reduced message processing latency by 30% through targeted configuration improvements in stream processing.
- Designed, implemented, and maintained CI/CD pipelines using Jenkins & GitHub Actions, improving deployment efficiency by 25%.
- Managed and optimized Kafka ecosystems, including brokers, connectors, and stream processing,
- ensuring 99.99% system availability and minimizing downtime.
- Automated SSL/TLS certificate renewal workflows, reducing manual intervention by 80%.
- Developed Infrastructure as Code (IaC) solutions with Terraform and Ansible, ensuring consistent,scalable, and error-free deployments, reducing deployment time by 30%.
- Implemented real-time system monitoring with Grafana, Prometheus, and ELK Stack, reducing system downtime by 40% and improving troubleshooting speed.
- Automated Kafka connector task recovery, enhancing system resilience and reducing manual
- intervention by 50%..

PROJECTS

DevSecOps Node.js Application

- Designed and implemented a Jenkins-based CI/CD pipeline for a Node.js application with DevSecOps integration to ensure security at every stage.
- Improved code quality by 30% by integrating SonarQube for static code analysis and enforcing best practices.
- Enhanced security by reducing vulnerabilities by 40% through OWASP ZAP (dynamic security testing) and Trivy (container scanning).
- Optimized pipeline efficiency, reducing deployment time by 25% while maintaining robust security checks.
- Strengthened DevSecOps culture by embedding automated security scans, compliance checks, and quality gates in the CI/CD workflow.

Three-Tier Application on AWS EKS

- Deployed a highly scalable three-tier application (ReactJS frontend, Node.js backend, MongoDB database) on AWS EKS using Kubernetes for orchestration.
- Achieved 99.9% uptime by configuring AWS Application Load Balancer (ALB) for efficient traffic distribution and fault tolerance.
- Scaled the application to handle 50% more traffic without performance degradation by optimizing Kubernetes HPA (Horizontal Pod Autoscaler) and cluster auto-scaling.
- Implemented infrastructure as code (IaC) using Terraform/Helm to automate provisioning and ensure reproducibility.
- Strengthened cloud-native DevOps practices by integrating CI/CD, monitoring (Prometheus/Grafana), and logging (ELK/CloudWatch) solutions.

SKILLS AND CERTIFICATIONS

- **Languages**: Python, SQL, Bash
- **Tools**: Kafka, Docker, Kubernetes, GitHub, Bitbucket, Grafana, Prometheus, Jfrog, Nexus, Argo CD, SonarQube, OWASP, Trivy
- **Cloud Platforms**: AWS, AZURE, GCP
- **Infrastructure as Code (IaC)**: Terraform, Ansible, AWS CFT
- **Monitoring & Observability**: Prometheus,Grafana, Datadog, ELK stack, Opsgenie
- **CI/CD Tools:** Jenkins, GitHub Actions, GitHub CI/CD, SonarQube, OWASP, Trivy
- **Certifications**: Microsoft Certified: Azure Fundamentals ,Teradata Vantage Cloud Lake 2.0, Teradata Vantage Associate 2.0