GAURAV VIKAL

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Cloud DevOps Engineer

CONTACT

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Location – Noida , Uttar pradesh

SUMMARY

DevOps Engineer with over 3.5+ years of hands-on experience in cloud computing, Linux systems, and a wide range of DevOps tools and practices. Proven expertise in managing scalable cloud infrastructure and automating deployment pipelines using tools like Git, Helm, Argo CD, Jenkins, and Kubernetes. Adept at solving complex infrastructure challenges, optimizing CI/CD workflows, and driving reliable and secure application delivery. Eager to contribute to a forward-thinking organization where continuous innovation, technical precision, and collaboration are valued.

Courses, and Certifications

- Azure fundamentals (AZ-900)
- AWS Fundamentals

Technical Skills

- DevOps
- Git / GitOps
- Argo CD
- Docker
- Confluence
- ServiceNow
- AWS Cloud / AWS EKS
- Linux (CentOS / RHEL / Amazon)
- ELK Stack (Elastic / Logstash / Kibana)
- Nginx
- Flink

- Jenkins (CI/CD)
- Helm
- Apache NiFi
- Shell Scripting
- Prometheus/Grafana
- Kubernetes
- Azure Cloud / Azure DevOps
- SQL
- AWS OpenSearch
- RabbitMQ
- Networking/Cloud-Networking

Professional Experience

Genpact India Pvt LTD
Middleware Cloud DevOps Engineer
Project: GE Vernona
Title: AWS DevOps and Apache NiFi Developer/Admin
Duration: November 2023 – Present
Location: Noida, India

Role Overview:
As a DevOps Engineer, I specialize in managing and optimizing infrastructure by leveraging automation and cutting- edge technologies to enhance operational efficiency. I focus on deploying, configuring, and maintaining robust tooling and services to ensure seamless operations, scalability, and streamlined CI/CD workflows.

Key Responsibilities:
- **Apache NiFi Customization & Deployment:**
  Spearheaded the deployment and optimization of Apache NiFi within a containerized environment, tailoring configurations for performance and compatibility across microservice ecosystems.
- **Kubernetes Deployment Automation:**
  Managed the deployment of containerized applications, including Apache NiFi, across Kubernetes clusters using Helm charts for configuration templating and customization. Orchestrated deployments through Argo CD, aligning cluster state with Git repositories and enabling rollback and sync capabilities. Integrated Jenkins for version control (VCS) and CI/CD pipelines, automating build, test, and deployment processes. Defined pipeline stages to validate Helm templates, apply security scans, and trigger Argo CD syncs for seamless lifecycle management.
- **Monitoring & DevOps Tooling Implementation:**
  Architected and deployed a scalable monitoring system enabling customers to view real-time transaction details through customized dashboards. Ingested high-throughput event data using **Amazon Kinesis Data Streams** and processed it via **AWS Lambda** functions configured to transform and enrich logs before indexing. Defined and managed **custom index patterns** in **AWS OpenSearch** to support granular search queries and dashboard visualizations. Integrated **API Gateway** for secure data exposure and applied **SAML-based authentication** to enforce access controls. The solution enhanced operational visibility, streamlined log traceability, and empowered stakeholders with transparent transaction insights.
- **AWS Infrastructure Expertise:**
  Expert in managing core AWS services including **EC2, RDS, Kinesis, VPC, S3, and NACLs**. Designed secure network topologies with **whitelisting and granular NACL rules**, ensuring compliance and performance. Implemented **cost-control strategies** to optimize resource utilization across environments. Proven ability to deliver **scalable, resilient cloud architectures** aligned with business efficiency.
- **Cross-functional Collaboration & Troubleshooting:**
  Worked closely with developers, data engineers, and system administrators to troubleshoot critical issues, implement strategic fixes, and ensure alignment with project goals and timelines.

Atos Global IT Solutions
L3 Product Support and R&D Engineer
Duration: April 2022 – September 2023
Location: Bangalore, India

Role Overview:
Worked on Alsaac, a managed security service platform offering advanced threat intelligence, hunting, monitoring, and incident response through SIEM and SOAR integrations. Contributed to R&D initiatives focusing on cloud integration, system performance, and operational resilience.

Key Responsibilities:
- **Cloud Asset Integration & Monitoring:**
  Integrated cloud assets (Azure, AWS, GCP) for centralized log collection and monitoring.

- **Apache NiFi Expertise:**
  Performed data integration, extraction, and transformation in the Log Event Collector (LEC) using Apache NiFi. Troubleshot and optimized NiFi configurations to resolve parsing issues across diverse device logs.
- **Linux & Networking Operations:**
  Applied strong system operation skills in Linux and networking to ensure reliability and performance across components.
- **RabbitMQ Optimization:**
  Investigated and resolved queuing issues impacting throughput; reconfigured RabbitMQ to enhance message broker stability and scalability.
- **Case Management & Documentation:**
  Used Wrike and ServiceNow for client issue tracking and prioritization. Authored detailed knowledge base articles with in-depth technical analysis.
- **Monitoring & RCA Reporting:**
  Implemented Prometheus for health monitoring and custom alerting. Delivered RCA presentations to technical teams, highlighting actionable insights.
- **Performance Troubleshooting:**
  Diagnosed and resolved performance bottlenecks related to memory, CPU, storage, and OS utilization.

Internships Experience

Azure Cloud Security Engineer
Organization: Alchemy Techsol
Duration: December 2021 – March 2022
Location: Bangalore, India
Skills: **Cybersecurity, AZ-900, AZ-104, AZ-500**

Embedded System Engineer
Organization: REES52
Duration: July 2019 – December 2019
Location: New Delhi, India
Skills: **Embedded Systems**

Education

Bachelor of Engineering (B.Tech-ECE) – 2016–2020
Guru Nanak Dev Engineering college, Ludhiana PUNJAB

Languages

English, Hindi

Awards & Recognition

- **Recognition for DevOps Excellence:** Awarded formal recognition for exceptional task management and technical execution in DevOps, demonstrating automation expertise in cloud-native environments. (**GENPACT**)

- **Top Performer Award – OSS Middleware:** Honored for outstanding contributions as a Cloud DevOps and ETL Developer, excelling in multi-domain middleware projects. (**GENPACT**)

- **Multi-Regional Stakeholder Support:** Successfully supported clients across India, Mexico, APAC, and Brazil, ensuring consistent service delivery and high system availability through effective collaboration. (**ATOS**)