

# Roland Enoch

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## Summary

- DevOps and Cloud Engineering Expert with over 6 years of hands-on experience in architecting, deploying, and managing resilient and scalable cloud environments, alongside automating deployment processes to boost operational efficiency and dependability.
- Successfully led the migration of on-premises applications to cloud environments, ensuring minimal downtime and seamless integration while enhancing performance and scalability.
- Designed and implemented Infrastructure as Code (IaC) using tools like Terraform and CloudFormation, streamlining infrastructure management and reducing provisioning times significantly.
- Developed and enforced security policies for cloud environments, ensuring compliance with industry standards and best practices to safeguard sensitive data.
- Implemented monitoring and logging solutions using tools like Prometheus and ELK Stack, providing actionable insights that led to improved application performance and reduced latency.
- Established and tested comprehensive disaster recovery strategies, enhancing system resilience and minimizing recovery time objectives (RTO) and recovery point objectives (RPO).
- Fostered a culture of collaboration across teams, driving initiatives that improved communication and efficiency in cloud operations, leading to faster problem resolution and innovation.
- Leveraged analytics and KPIs to inform strategic decisions, optimize resource utilization, and align cloud solutions with business objectives.

## Technical Skills

- **Operating Systems:** Linux, Ubuntu, CentOS, Unix, Windows, Mac
- **Cloud Technologies:** Amazon Web Services (AWS), Azure, OpenStack
- **Cloud Services:** (EC2,S3,RDS,VPC,Lambda,Cloud formation etc ) Azura
- **DevOps Tools:** Chef, Puppet, Vagrant, Maven, Docker, Gradle, Splunk, OPS Work
- **Databases:** MySQL, SQL Server, RDS, DynamoDB
- **Web/Application Servers:** Oracle WebLogic Server (9/11g/12c), IBM WebSphere
- **Networking:** Switches, TCP/IP, VPC, Subnetting, Security Groups, VPN, Direct Connect, Transit Gateway
- **Configuration Management Tools:** Chef, Puppet, Ansible, Jenkins
- **Automation:** CloudTrail, Nagios
- **Monitoring Tools:** Datadog, CloudWatch Cloud Trail, AWS Inspector
- **Infrastructure as Code (IaC) Tools:** Terraform, CloudFormation
- **Build Tools:** ANT, MAVEN, Jenkins, BA
- **Web Servers:** WebLogic, JBoss, WebSphere, Apache2/Tomcat
- **Container Orchestration:** Kubernetes, Docker Swarm, Mesosphere, Amazon ECS
- **CI/CD Pipelines:** Jenkins, GitLab CI/CD
- **Agile Methodologies:** Scrum, Kanban
- **Compliance and Governance:** GDPR, HIPAA, PCI- DSS
- **Machine Learning Operations (MLOps):** Integration and Automation
- **Infrastructure Monitoring:** Zabbix, New Relic
- **GitOps:** Git-based Infrastructure Management
- **Collaboration Tools:** Confluence, Slack, Microsoft Teams
- **Ticketing:** Jira, Confluence, ServiceNow (Agile/Scrum)
- **Version Control Systems:** Git, GitLab, GitHub, Bitbucket, Subversion (SVN), ClearCase
- **Scripting Languages:** Perl, JSON, Shell, Ruby, YAML, Bash, Python

## Work Experience

Goldman Sachs Global

Mar 2024 to Current

Cloud/DevOps Engineer

- Spearheaded the modernization of cloud engineering and operations, focusing on advanced AWS architecture to enhance scalability and reliability.
- Developed and implemented robust IaC solutions using Terraform, streamlining provisioning processes and establishing mature CI/CD pipelines with GitHub Actions for efficient continuous integration and deployment.
- Integrated testing and security practices early in the development process using Pipeline as Code methodologies, significantly reducing vulnerabilities and improving deployment quality.
- Managed seamless transitions from development to production environments, ensuring uninterrupted operations and rapid response to challenges.

- Configured and deployed comprehensive cloud infrastructure, including landing zones and secure networking, to support dynamic business needs.
- Partnered effectively with application owners, product engineers, and cloud service providers to troubleshoot complex issues, enhancing overall operational efficiency.
- Established and monitored Key Performance Indicators (KPIs) to evaluate the effectiveness and efficiency of cloud operations, driving continuous improvement initiatives.
- Designed and configured persistent storage solutions for Kubernetes clusters, facilitating data persistence and enabling seamless application scaling

**Coforge**

**Jul 2020 to Sep 2023**

#### **Cloud/ DevOps Engineer**

- Implemented robust security best practices in AWS, including multi-factor authentication, access key rotation, and role-based permissions, significantly improving the security posture of cloud environments.
- Created and deployed an automated CI/CD pipeline using Jenkins and Git, reducing deployment time by 50% and increasing release frequency by 30%, enhancing overall development efficiency.
- Utilized Chef to deploy and configure the ELK stack (Elasticsearch, Logstash, Kibana) for comprehensive log analytics and application monitoring, seamlessly integrating with AWS Lambda and CloudWatch for real-time insights.
- Successfully migrated VMware virtual machines to AWS, coordinating services such as EC2, S3, CloudFormation, Route 53, ELB, RDS, and VPC, ensuring minimal disruption and improved performance.
- Developed CloudFormation templates for infrastructure as code, reducing manual setup time by 75% and ensuring consistent and repeatable environments across deployments.
- Demonstrated strong expertise in setting up and optimizing CI/CD pipelines using tools like GitHub, Jenkins, SonarQube, Maven, and Nexus, fostering a culture of continuous integration and delivery.
- Optimized cloud costs by leveraging reserved instances and strategically selecting EC2 instance types based on resource needs, implementing S3 storage classes and lifecycle policies, and utilizing autoscaling for dynamic resource management.
- Designed and implemented comprehensive continuous integration and deployment pipelines using Jenkins and other CI tools, facilitating seamless application delivery.

**Sundaram Finance**

**Aug 2018 to Jun 2020**

#### **Cloud/ DevOps Engineer**

- Designed and implemented robust Kubernetes solutions, managing CI/CD pipelines and automating deployments to enhance delivery efficiency and application reliability.
- Optimized resource utilization while implementing security, governance, and compliance controls, ensuring alignment with industry best practices and organizational standards.
- Utilized containerization tools to build and manage scalable applications, ensuring high availability and performance in dynamic environments.
- Developed comprehensive cloud infrastructure designs, guiding the transition from development to operations and ensuring seamless integration of services.
- Leveraged configuration management tools like Ansible to automate and streamline operations, significantly reducing manual tasks and enhancing team productivity.
- Created and delivered impactful presentations and documentation to developers and operations teams, fostering a culture of knowledge sharing and collaboration.
- Utilized Terraform and AWS CloudFormation to provision and manage cloud resources, enhancing infrastructure consistency and repeatability across environments.
- Set up comprehensive monitoring and alerting solutions using Prometheus, Grafana, and AWS CloudWatch, proactively identifying and addressing performance issues to maintain optimal service levels.
- Applied best practices for securing cloud environments, including the implementation of IAM policies, network security groups, and encryption mechanisms to safeguard data and applications.
- Developed and executed incident response plans, improving the organization's ability to quickly address and recover from operational disruptions and security incidents.
- Implemented cost-saving measures and resource optimization strategies, including rightsizing instances, leveraging spot instances, and using cost monitoring tools to significantly reduce cloud expenditures.

#### **Education**

- Diploma in computer network maintenance.
- Flexcom institute