

Kailash Ramchandra

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Summary

Cloud Engineer with 4 years of experience at NTT DATA, specializing in AWS infrastructure design and management. Proven expertise in automating deployments using CloudFormation and improving system reliability through effective load balancing strategies. Skilled in building secure, scalable solutions with a strong focus on performance, security, and operational efficiency. Committed to collaborative team environments and continuous improvement in cloud architecture and DevOps practices

Technical Skills

- Demonstrated **expertise in managing scalable and secure cloud applications** on Linux-based infrastructure.
- Strong **version control practices** using Git, enabling efficient collaboration and continuous integration.
- Proven **ability to design and manage resilient AWS architectures**, including compute, storage, and networking components.
- Hands-on experience deploying and optimizing **EC2 instances** to support high-performance and fault-tolerant systems.
- Ensured **data durability and accessibility** by implementing secure and cost-effective storage solutions with **Amazon S3**.
- Designed and maintained **isolated, well-architected network environments** using **VPC**, subnets, route tables, and security groups.
- Enforced **robust security policies** through strategic use of **IAM roles, policies**, and access management best practices.
- Automated CI/CD pipelines with **Jenkins**, improving deployment reliability, development speed, and operational efficiency.

Experience

NTT Data

2021-2025

Role – Cloud Engineer

Worked as a **Cloud Engineer** for **ThermoFisher** client, responsible for designing, deploying, and managing scalable, secure, and high-availability cloud infrastructure on AWS. Demonstrated strong **ability to deliver reliable cloud solutions** by leveraging AWS services to meet performance, security, and automation goals across production environments.

Key Responsibilities:

- **Hands-on experience** in managing **EC2 instances** for backend services with **Auto Scaling** and routine maintenance, demonstrating excellent **ability** to maintain scalable compute environments
- **Designed** VPCs with secure subnets, **route tables**, and NAT gateways, showcasing a **professional approach** to AWS network architecture
- **Configured Load Balancers (ELB)** for effective traffic distribution and ensured **high availability**, improving system reliability
- **Implemented IAM** roles and policies for secure access control, with a strong **familiarity** with AWS identity and permission models
- Used **S3** for storing static content with versioning and lifecycle **management**, reflecting an excellent ability to manage cost-effective cloud storage

- **Set up CloudWatch and CloudTrail** for monitoring, logging, and auditing, ensuring full visibility and operational awareness
- **Automated infrastructure** provisioning and updates using **CloudFormation templates**, demonstrating professional-level expertise in Infrastructure as Code (IaC)
- Worked with **Docker** for containerizing applications and gaining familiarity with **Kubernetes** for orchestrating containers in cloud-native environments Infrastructure as Code (IaC)

Education

B.E - Dr. Ambedkar Institute of Technology, Bangalore
CGPA – 8.00

2016-2020