

RANJIT KUMAR SAMAL

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PROFILE SUMMARY

Motivated Multi-Cloud DevOps Engineer with strong hands-on experience across AWS, Azure, and Google Cloud Platform (GCP). Skilled in Linux administration, Git, GitHub, GitLab, Jenkins, and building robust CI/CD pipelines for automated build, test, and deployment workflows. Experienced in containerization and orchestration using Docker and Kubernetes, along with infrastructure automation using Terraform across multi-cloud environments. Proficient in Maven for build management, SonarQube for code quality analysis, and Grafana & Prometheus for monitoring and observability of cloud-native applications. Strong understanding of DevOps best practices, real-time project workflows, and scalable, reliable multi-cloud architectures with a passion for continuous learning and automation.

TECHNICAL SKILLS

Cloud Platforms

- Amazon Web Services (AWS): EC2, S3, IAM, VPC, RDS, ELB, Auto Scaling, CloudWatch
- Microsoft Azure: Virtual Machines, Azure VNet, Azure Storage, Azure Load Balancer, Azure Monitor
- Google Cloud Platform (GCP): Compute Engine, VPC, Cloud Storage, IAM, Cloud Monitoring

DevOps & CI/CD Tools

- Version Control: Git, GitHub, GitLab
- CI/CD: Jenkins, GitHub Actions, GitLab CI/CD
- Build Tools: Maven
- Code Quality: SonarQube

Containerization & Orchestration

- Docker: Image creation, Dockerfile, Docker Compose
- Kubernetes: Pods, Deployments, Services, Ingress, ConfigMaps, Secrets, Helm basics

Infrastructure as Code (IaC)

- Terraform: Multi-cloud resource provisioning, modules, state management
- OpenTofu – Open-source Terraform alternative for multi-cloud IaC

Monitoring & Logging

- Monitoring: Prometheus, Grafana
- Metrics, dashboards, alerting basics

AWS DMS (Database Migration Service):

- Homogeneous & heterogeneous database migration

Security & Access Management

- IAM users, roles, policies (AWS / Azure / GCP)
- Secrets & configuration management

EDUCATION

Masters Of Computer Application

2023-2025

CGPA : 8.88

- ABIT , CUTTACK

Bachelor's Degree (Graduation)

CGPA : 7

- UTKAL UNIVERSITY

Higer Secondary Education

CGPA : 7

- GURUKUL
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PROJECTS

CLOUD-NATIVE DEVOPS PIPELINE

- Implemented an end-to-end AWS DevOps CI/CD pipeline using GitHub/GitLab, Jenkins, Maven, and SonarQube to automate build, test, and code quality analysis
- Containerized applications using Docker and stored images in AWS ECR
- Deployed and managed applications on Kubernetes using Deployments, Services, Ingress, and LoadBalancer, supporting rolling updates and horizontal scaling
- Provisioned AWS infrastructure including VPC, EC2, Security Groups, and IAM roles using Terraform with reusable modules and state management
- Configured monitoring and alerting with Prometheus and Grafana, and performed Kubernetes troubleshooting using kubectl while following cloud security and DevOps best practices

Automated Monitoring Setup for ASG using Ansible & AWS Lambda

- Implemented an automated monitoring solution for Auto Scaling Group (ASG) instances using Ansible, AWS Lambda, Prometheus, and Grafana.
- Used Ansible playbooks to install and configure Node Exporter across multiple Linux servers, defining custom labels within playbooks for accurate instance identification in Prometheus.
- Integrated AWS Auto Scaling Groups with EC2 tags to ensure newly created instances inherit consistent naming and labeling conventions during scale-out events.
- Configured AWS Lambda triggers to automatically execute Ansible playbooks whenever a new EC2 instance is launched, ensuring Node Exporter is installed without manual intervention.
- Enabled dynamic discovery of instances in Prometheus and centralized monitoring of all scaled instances through Grafana dashboards.
- Designed the solution to handle traffic spikes, maintaining monitoring consistency during automatic scale-in and scale-out operations.
- Improved observability and reduced operational overhead by implementing a fully automated, self-updating monitoring pipeline.

ADDITIONAL INFORMATION

Languages: English, Hindi

Extracurricular Activities : Quick to learn new technologies , Good team player , Problem-solving mindse

GitHub : <https://github.com/Ranjit-08>

Availability: Immediate | Open to Relocation / Remote