



Ranjith Katanguri

Lead Cloud and DevOps Engineer

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Professional Summary:

Total 14+ years of IT experience in **Cloud (Azure, AWS), DevOps, Terraform, Kubernetes,** and **Linux** across banking, healthcare, and retail domains, specialized in cloud infra provision, CI/CD, cluster management, migrations, security & compliance, Automation.

- Deployed and managed AWS services (**EC2, S3, RDS, VPC, EKS, Lambda, Route53, CloudFront**) and **Kubernetes/OpenShift** clusters for scalable, cloud native applications.
- Built and maintained **CI/CD** pipelines (**Jenkins, GitHub Actions, GitLab CI/CD, AWS CodePipeline, Argo CD**), reducing deployment times by 40%.
- Managed microservices using **Kubernetes/Docker**, performing upgrades, scaling, multi cluster management, and **Istio** service mesh implementation for high performance workloads.
- Implemented observability with **Grafana, Prometheus, CloudWatch, Splunk, OpenSearch** and **kibana** improving incident response time by 60%.
- Automated operational tasks and monitoring using **Python, Ansible, Helm, and Terraform** reducing manual effort and improving deployment accuracy.
- Optimized cloud resources and costs, reducing spend by 25% through proactive monitoring, reserved instances, and resource tuning.
- Provided operational and production support on regular release cycles by following scrum calls.

IT Certifications:

- Certified Kubernetes Administrator (**CKA**) - (**LF-013qjctcss**) (The Linux Foundation)
- Microsoft Certified Azure Administrator Associate - (**AZ-104**) - (**86CDOA-F1D40A**)
- AWS Certified Solution Architect Associate - (**AWS-CSAA**) - (**GVYRD0B1P1RQ15CM**)
- RedHat Certified Engineer - (**RHCE**)
- RedHat Certified System Administrator - (**RHCSA**)
- Certified GEN AI Assisted Engineer

Technical Skills:

Cloud Platforms	AWS, Azure Cloud
DevOps CI/CD Tools	Jenkins, GITHub Actions, GitLab CI/CD, ArgoCD, Helm, Harness, codefresh, Octopus Deploy, Harness

Infrastructure as Code	Terraform, Ansible, ARM Templates, Bicep, CloudFormation
Containerization	Docker, Kubernetes (AKS/EKS), Helm, OpenShift
Web Servers	Tomcat, Apache, Nginx
Security & Compliance	IAM, RBAC, Secrets Manager, AWS Inspector, WAF, AWS VPC Security Tools, Zero Trust, KMS, Conjur, AWS KMS, Vault
Workflow Tools	Rally, Jira, Mural, Bitbucket, ServiceNow
Observability Tools	Cloud Watch, Prometheus, Grafana, Splunk, ELK Stack, Dynatrace, Opentelemetry, Cavisson, Zabbix, Jaeger
Programming & Scripting	Bash, Python, PowerShell, YAML, Go

PROFESSIONAL EXPERIENCE:

Role: Kubernetes and Cloud DevSecOps Lead **Duration:** Sept 2025 to Present
Client: ANZ (Australia and New Zealand Banking Group) **Location:** New York (Remote), US
Project Description: Perform cloud application migration Openshift to AWS EKS

Responsibilities:

- Built and managed self-healing Kubernetes platforms with auto-scaling, rollbacks, and zero-downtime (Blue-Green) deployments.
- Implemented end to end observability using Prometheus, Grafana, ELK/OpenSearch, OpenTelemetry, Istio, and CloudWatch to enforce SLOs.
- Optimized container resource utilization and improved workload performance across clusters.
- Designed and provisioned secure EKS/Kubernetes clusters using Terraform (VPCs, node groups, networking).
- Automated infrastructure and CI/CD workflows using GitOps (Argo CD), Jenkins, GitHub/GitLab.
- Integrated SonarQube and Snyk into pipelines for vulnerability scanning and code quality enforcement.
- Enforced security best practices including RBAC, network policies, secrets management, and TLS/SSL lifecycle.
- Developed custom Kubernetes controllers, CRDs, and Go-based automation tools.
- Created and maintained Helm charts for microservices deployments across environments.
- Migrated applications from OpenShift to EKS with performance and cost optimization.
- Managed cluster upgrades, DR strategies (RTO/RPO), and production incident support.

Environment: OpenShift (OCP), EKS, IAM, Secrets Manager, Code fresh (CI), GitHub Actions (CD), Jfrog artifactory, Jenkins, docker, Kubernetes, Gradle, Python, Helm, GitLab CI/CD, Argo CD, CloudFormation, Prometheus, Grafana, ELK, Conjur/Vault.

Role: Lead Cloud & DevOps Engineer

Duration: Feb 2020 to Sept 2025

Client: Standard Chartered Bank

Bangalore, India

Project Description: Multi country segregation activities performed with cloud and devops implementation for banking transactions.

Responsibilities:

- Led multi cloud (AWS/Azure) infrastructure automation using Terraform and CDK with HA/DR best practices and GitOps workflows.
- Designed multi region AWS networking (VPC, TGW, VPN, Direct Connect) for resilience, low latency, and secure traffic.
- Managed EKS/Kubernetes platforms including scaling (HPA), ingress, upgrades, and workload optimization.
- Built and optimized CI/CD pipelines (Harness, Jenkins, GitLab, GitHub Actions, Argo CD) for multi environment deployments.
- Automated blue-green, canary, and approval-gated releases to reduce downtime and deployment risk.
- Implemented observability using CloudWatch, Prometheus, Grafana, OpenSearch, Splunk, and Dynatrace.
- Embedded security and compliance controls with SonarQube, Aqua, NexusIQ, Gitleaks, IAM/RBAC, Secrets Manager, TLS, and audit logging.
- Led cloud migrations from on-prem OpenShift to AWS EKS, improving scalability, availability, and operational efficiency.
- Automated Helm-based deployments, infrastructure lifecycle, and stateful service management.
- Led security remediation initiatives (Log4j fixes, certificate rotations) and enforced cross-account cloud security and governance standards.

Environment : EKS, EC2, S3, IAM, RDS, VPC, CloudFront, Route 53, Lambda, Docker, Kubernetes, blue green deployment, Maven, Helm, Kibana, Jenkins, GitLab CI/CD, Argo CD, Vault, Prometheus, Grafana, ELK, SonarQube, Octopus Deploy.

Role: Site Reliability Engineer (SRE)

Duration: Feb 2017 to Feb 2020

Client: Macys Technologies

Hyderabad, India

Project Description: managing ecommerce of macys, kohls services, load balancing with observability tools.

Responsibilities:

- Implemented end to end observability using Datadog, Dynatrace, Prometheus, Grafana, ELK, and Splunk, reducing incident detection by 30%.
- Integrated monitoring and alerting with Slack, PagerDuty, and ServiceNow for automated incident workflows.
- Defined and managed SLIs/SLOs/SLAs, conducted RCAs, and led on-call rotations to improve uptime and system reliability.
- Designed and executed chaos engineering experiments to validate resilience.
- Automated blue-green and canary deployments with Jenkins and Kubernetes for zero-downtime releases.

- Optimized cluster performance using HPA, Cluster Autoscaler, and resource tuning.
- Managed Redis, Kafka, and Elasticsearch clusters, enhancing performance and stability.
- Built CI/CD pipelines (GitHub Actions, Jenkins, Argo CD, Harness) to streamline deployments.
- Implemented secure secrets management (Vault, AWS Secrets Manager) and enforced cost governance.

Environment: EC2, IAM, Jenkins, Grafana, Prometheus, Rally, Mysql, Bitbucket, Ansible, Jenkins, GitLab CI/CD, Docker, Kubernetes, Helm, ELK, Linux, Git, Agile/Scrum.

Role: Senior Cloud Engineer

Duration: Jan 2016 to Feb 2017

Client: Hewlett Packard Enterprise

Location: Cyberjaya, Malaysia.

Project Description: Cloud implementation for Alstom, Ericson, Nokia Projects and provide operational support

Responsibilities:

- Architected and deployed highly available, secure AWS infrastructures (EC2, EKS, RDS, S3, VPC, Lambda) with compliance and network segmentation.
- Led on-prem to AWS/Azure migrations, reducing data center footprint by 40% and improving scalability and resilience.
- Designed fault-tolerant, multi AZ architectures using Auto Scaling, ALB/NLB, and Route53.
- Implemented IAM governance (SSO, MFA, least privilege) and enforced cloud security best practices.
- Developed reusable Terraform modules and automated deployments via Jenkins, GitHub Actions, and CodePipeline.
- Built and optimized CI/CD pipelines for infrastructure and application delivery, enabling faster, reliable releases.
- Implemented monitoring and alerting solutions, reducing incident response time by 50%.
- Managed cost optimization through right-sizing, Reserved Instances, Savings Plans, and storage lifecycle policies.
- Built and optimized data pipelines using AWS Glue, EMR (Spark), Redshift, and S3 data lakes.
- Collaborated in Agile/Scrum teams, driving automation, operational efficiency, and continuous improvement.

Environment: VPC, S3, GIT, EC2, Route53, RDS, Docker, Jenkins, GitLab CI/CD, CloudFormation, Prometheus, Grafana, ELK, Vault, Python, Bash, PowerShell, Git

Role: AWS Cloud Engineer

Duration: May 2014 to May 2015

Client: Agilent Technologies

Bangalore, India

Project Description: Perform server migrations on-premise to cloud and manage resources.

Responsibilities:

- Designed and managed highly available, cost-optimized AWS infrastructures (EC2, S3, ELB, EBS, Auto Scaling, IAM, VPC).
- Managed secure VPC networking and multi-AZ deployments for HA environments.
- Led AWS migration initiatives, improving scalability, reliability, and cost efficiency.
- Implemented IAM governance (RBAC, SSO, MFA, KMS) to enforce security and compliance.
- Configured monitoring and alerting with CloudWatch for real-time observability and faster incident response.
- Built and maintained CI/CD pipelines using Jenkins and automated deployments with Ansible.
- Migrated legacy ETL workloads to AWS Glue and EMR, enhancing performance and maintainability.
- Managed Git branching, release controls, and adhered to ITIL incident, problem, and change management.

Environment: AWS, EC2, S3, RDS, Lambda, VPC, IAM, KMS, CloudFormation, ELB, AWS CDK, Jenkins, GitLab CI/CD, AWS CodePipeline, ECS, CloudWatch, ELK/EFK, Python, Bash.

Role: Linux System Administrator (SME)

Duration: Feb 2011 to Apr 2014

Client: L&T Technology Services

Bangalore, India

Project Description: Perform linux server migration to VM, experienced on storage, networking, handled datacenter issues.

Responsibilities:

- Installed, configured, and managed Linux servers (RHEL, CentOS, Ubuntu) on physical (Dell, HP, Supermicro) and virtual environments (VMware ESXi), including VM deployment and snapshots.
- Executed P2V and V2V migrations using Double Take Availability, handling pre/post migration tasks like networking and volume mounts.
- Managed Cisco switches, routers, VLANs, and trunking across datacenters to ensure high availability.
- Configured and maintained file systems, NetApp LUNs, NFS/CIFS shares, DNS, Apache Tomcat, Samba, and FTP services.
- Performed server hardening, kernel upgrades, OS patching, backups, and security configurations within SLA-aligned maintenance windows.
- Administered users, permissions, and access controls; automated tasks using shell scripting.
- Monitored system performance, troubleshoot network/hardware issues, coordinated vendor support, and maintained documentation.
- Managed disk and filesystem configurations including multipath and storage optimization.
- Executed approved production changes following ITIL change management processes.

Environment: Networking(Cisco Switches, Routers), RHEL6, Windows Servers, Apache tomcat, NetApp storage, Physical servers(Dell PowerEdge, HP-UX DL380), VMware ESXi 5.5, Python and shell scripting, GPU servers in DataCenter GPU servers (AMD, Nvidia)

Educational Qualification:

B. Tech from Sindhura College of Engineering (Affiliated to JNTU, HYDERABAD) 2010.