



LOKENDRA BHAT

DevOps/SRE Engineer

Kathmandu, Bagmati Province, Nepal

 9809456846

 lokendrabhat.2022@gmail.com

 [LinkedIn](#)

 [Website](#)

 [Credly](#)

PROFESSIONAL SUMMARY

Results-driven DevOps/SRE Engineer with 2+ years of hands-on experience designing, deploying, and maintaining highly scalable and reliable infrastructure solutions. Expert in container orchestration (Docker, Docker Swarm, Kubernetes), infrastructure automation (Ansible, Terraform), and CI/CD pipeline development using Jenkins. Proven ability to implement comprehensive monitoring solutions, disaster recovery strategies, and security hardening practices following CIS benchmarks. AWS Certified Cloud Practitioner with practical experience deploying cloud infrastructure on AWS (EC2, VPC, RDS, S3). Adept at collaborating with cross-functional teams in agile environments while maintaining 99%+ system uptime through proactive monitoring and automation. Passionate about continuous learning and implementing DevOps best practices.

WORK EXPERIENCE

AMNIL Technologies Pvt. Ltd.

2024 Jan - Now

Manbhawan, Lalitpur, Nepal

RELEVANT ENGAGEMENTS AND PROJECTS

Scheduler Application - Auto Recharge for Ncell App

Associate DevOps/SRE Engineer

- Infrastructure provisioning using Ansible and Terraform, deploying RKE2 in production and k3s in UAT, reducing deployment time by 70%
- Engineered CI/CD pipelines with Jenkins and Ansible for zero-downtime deployments of new features and updates
- Enforced backup and disaster recovery strategies, ensuring RTO under 15 minutes
- Deployed Prometheus and Grafana monitoring stack tracking 50+ KPIs for proactive health monitoring and for regular application health and resource utilization monitoring
- Created and executed backup and logging strategies, ensuring rapid disaster recovery capabilities

- Documented and applied Minimum Baseline Security Standard (MBSS) following CIS benchmark with regular VAPT patching
- Collaborated with development teams to maintain operational stability and system reliability

Technologies Used: Ansible, Terraform, Linux, Kubernetes, RKE2, Jenkins, GitLab, Grafana, Prometheus, CIS Benchmark

Chatbot Enhancement Team

Associate DevOps/SRE/System Admin Engineer

- Organized an on-premise server suitable for hosting and running a chatbot.
- Setup session management using Redis so that it supports replication.
- Configured auto-heal and liveness probes in Docker Swarm to monitor multiple services within a container and detect failures, reducing downtime by 95%.
- Optimized Docker images, achieving 58% size reduction (6GB to 2.5GB) through best practices and each layer analysis
- Deployed centralized logging using Grafana, Loki, and Alloy for real-time monitoring
- Used Grafana alert to notify on liveness probe failures in a container, including the container ID to identify the affected replica.
- Achieved 99% uptime SLA through systematized monitoring with Uptime Kuma and Grafana
- Dockerized PostgreSQL replication using Bitnami images and resolved pooling issues using PgBouncer and Pgpool with appropriate configuration.
- Maintained detailed documentation.

Technologies Used: Nginx, Docker, Docker Swarm, redis, liveness, grafana, Loki, alloy, beszel, uptime kuma, postgres replication, pgbouncer, pgpool

Ncell Mobile Application Platform

Associate DevOps/SRE Engineer

- Deployed, maintained, and optimized a shared platform supporting a critical customer-facing mobile application.
- Prepared incident reports and performed log monitoring and root-cause analysis using **Kibana**.
- Collaborated with development and network teams for production issue resolution
- Preserved master-slave HA Proxy as DMZ gateway handling 5,000+ requests per minute
- Regular monitoring and alerting for proactive issue detection
- Managed and updated **Java keystores and SSL certificates** to ensure secure communication and compliance with security standards.

Technologies Used: Kubernetes, HA Proxy, Jenkins, Kibana, Java keystores

Payment Gateway Application

Associate DevOps/SRE Engineer

- Supervised a non-dockerized, multi-instance production environment for a high-availability payment gateway system.
- Developed Bash automation scripts for backup, deployment, rollback, and operational tasks, including extracting unique IP statistics from Nginx access logs.
- Investigated and mitigated bot attacks and malicious traffic through detailed analysis of Nginx access logs, server metrics, and .NET application logs.
- Enforced and upheld firewall security rules to protect the infrastructure while ensuring seamless communication between application instances.
- Performed proactive troubleshooting of performance and security issues to maintain service reliability.

Technologies Used: Bash, Nginx, Linux, Firewallld

Payroll Management System

Associate DevOps/SRE Engineer

- Deployed and managed the core infrastructure for the Payroll Management System.
- Created secure CI/CD pipelines using Jenkins with automated security scanning
- Integrated SonarQube for code quality analysis, preventing bugs in pre-production
- Designed and implemented a Disaster Recovery (DR) setup to ensure business continuity and rapid recovery of the payroll system.
- Setup postgres replication using repmgr (replication manager), which is an open-source tool for managing PostgreSQL databases.
- Set up a high-availability architecture using Docker and Docker Swarm to guarantee system uptime during critical payroll processing cycles.

Technologies Used: Nginx, Docker Swarm, Jenkins, SonarQube, PostgreSQL, Repmgr

Server Migration

Associate DevOps Engineer

- Containerized 15+ applications using Docker, improving deployment consistency
- Executed migration from cPanel, Linux, and Windows Server to on-premise infrastructure
- Deployed cloud infrastructure on AWS using EC2, VPC, RDS, and S3
- Resolved 50+ compatibility issues during migration in collaboration with developers
- Led the successful deployment of the application, achieving operational stability and meeting project milestones.
- During the migration process, identified unused applications and obsolete resources (including outdated logs and stale data), enabling cleanup activities that reduced infrastructure waste and lowered operational costs.
- Applied backup and logging strategies for the application using bash scripting.
- Migrated legacy applications to containerized environments and standardized deployment workflows. Implemented SSL/TLS configuration for enhanced security.

Technologies Used: Nginx, Docker, Docker Swarm, AWS (EC2, VPC, RDS, S3), Jenkins, cPanel, Cloudflare, Bash

Banking Web Application

Associate DevOps Engineer

- Server and infrastructure setup to configure the application.
- Developed Jenkins CI/CD pipelines with security scanning and testing gates
- Installed and user management of the MySQL database for security and smooth working.
- Timely monitoring of production servers to keep the system stable using Uptime Kuma and Grafana.
- Enforced role-based access control for server environments.
- Configured log rotation and disaster recovery servers with database replication

Technologies Used: Linux, Nginx, Docker, Docker Swarm, Jenkins, Uptime Kuma, k3s, RKE2, Grafana, PostgreSQL, MySQL, MongoDB

ProcessMaker Application Setup (2024)

Junior DevOps Engineer

- Deployed production-ready systems following DevOps best practices
- Implemented backup strategies for rapid data and database recovery and CI/CD processes for efficient development workflows.
- Collaborated with development teams to address issues during and after project development.
- Ensured production-ready deployment using best practices.
- Created Grafana dashboards for real-time performance tracking
- Automated alerting with Prometheus Alertmanager and integrated email notifications for faster incident response.

Technologies Used: Nginx, Docker, Docker Swarm, Jenkins, Git, GitLab, Grafana, Prometheus

TECHNICAL SKILLS

Domain	DevOps Engineering, SRE, Linux System Administration, Server Hardening, CI/CD Pipeline Management, Infrastructure Automation, Monitoring & Logging, Cloud Management (AWS), Security Implementation, Infrastructure as Code (Ansible, Terraform), Configuration Management
Tools & Framework	Nginx, Apache, Docker, Docker Swarm, Container Optimization, Kubernetes, Jenkins, Prometheus, Grafana, Alloy, Kibana, Loki, Uptime Kuma, Beszel, Dozzle, Ansible, Vault, Git, GitLab, HA proxy, keepalive, DMZ architecture, Terraform, SonarQube, NFS, Linux, High Availability, Hybrid infrastructure
Databases & Caching	PostgreSQL (Replication, Repmgr, PgBouncer), MySQL, MongoDB, Redis
Security & Compliance	CIS Benchmark, VAPT Remediation, Server Hardening, SSL/TLS, RBAC, Wazuh, Vault, MBSS
Programming & Scripting	Bash, Python
Networking	Networking Fundamentals, Firewalls, VPNs, Security Best Practices

EDUCATION & TRAINING

Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT)
Amrit Campus, Tribhuvan University (2019 - 2023)

AWS re/Start Training Program Graduate
Amazon Web Services, Kathmandu, Nepal (2023)

Program Highlights:

- Mastered AWS core services including EC2, S3, RDS, and VPC configuration
- Applied AWS security best practices, IAM policies, and compliance frameworks
- Developed proficiency in Linux administration, scripting, and networking fundamentals
- Designed scalable cloud solutions following the AWS Well-Architected Framework
- Enhanced leadership, problem-solving, and team collaboration through group projects
- Completed with full attendance and earned AWS Cloud Practitioner certification

CERTIFICATIONS

AWS Certified Cloud Practitioner | Amazon Web Services (July 2023 - July 2026)

AWS re/Start Graduate | Amazon Web Services (July 2023)

AWS Academy Cloud Foundations | AWS Web Services (July 2023)

AWS Educate Getting Started with Databases | Amazon Web Services (September 2024)

PROFESSIONAL ATTRIBUTES

- Problem-Solving:** Proven ability to troubleshoot complex infrastructure issues and implement effective solutions
- Automation:** Strong focus on automating repetitive tasks and improving operational efficiency
- Security:** Committed to implementing security best practices and maintaining compliance Standards
- Collaboration:** Excellent cross-functional collaboration with development, network, and security teams
- Learning:** Passionate about staying current with emerging DevOps tools and cloud technologies
- Documentation:** Detail-oriented approach to creating comprehensive technical documentation