

# MANIP POUDEL

DevOps Team Lead | Cloud Security & Infrastructure Engineer (DevOps / DevSecOps / SRE / Platform)

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## SUMMARY

DevOps Team Lead and AWS Certified Security - Specialty engineer with 4+ years designing, automating, and securing production cloud infrastructure on AWS. Lead DevOps for 10+ concurrent production AWS environments for a Tokyo-based software company, delivering ~70% less manual provisioning, ~60% lower CI spend, and 20-40% lower AWS bills with zero downtime.

## CORE SKILLS

**Cloud & Security:** AWS (EC2, ECS Fargate, EKS, Lambda, RDS, S3, VPC, Route 53, CloudWatch), IAM & SCPs, KMS, CloudTrail, AWS Config, GuardDuty, Security Hub, WAF, GCP, Linux

**IaC & Containers:** Terraform, CloudFormation, Ansible, Kubernetes (EKS), Docker, Helm, ArgoCD, GitOps

**CI/CD & DevSecOps:** GitHub Actions (reusable workflows, OIDC, self-hosted runners), GitLab CI, Jenkins, detect-secrets, truffleHog, tflint, OPA/conftest, SOPS, PKI/mTLS

**Observability & Code:** Prometheus, Grafana, Loki, ELK, Alertmanager, incident response & RCA; Python, Bash, Nginx, PostgreSQL

## PROFESSIONAL EXPERIENCE

### weisionaryTEAM - DevOps Team Lead

*Remote (Tokyo, Japan) | Jan 2022 - Present*

- Lead DevOps for 10+ concurrent production AWS environments across separate client accounts; own CI/CD architecture, Kubernetes operations, incident response, and mentoring of junior engineers.
- Reduced manual provisioning ~70% with a layered Terraform module library (S3/DynamoDB remote state, plan-review-apply in CI); environment bootstrap went from days of console work to one reviewed pull request.
- Cut CI spend ~60% (builds 12 to 7 min) with a versioned reusable GitHub Actions library shared by 10+ repositories and self-hosted EC2 runners; removed every long-lived AWS key via GitHub OIDC federation.
- Reduced AWS bills 20-40% per account across 10+ clients with zero downtime (e.g. ~\$3,800 to ~\$2,300/mo) through right-sizing, gp3 migration, non-prod scheduling, and NAT/VPC-endpoint fixes codified as Terraform defaults.
- Migrated production delivery to GitOps on Amazon EKS with ArgoCD and Helm: ~2-minute rollbacks, no cluster credentials in CI, self-healing drift, and ~30% lower node costs.
- Led an organisation-wide DevSecOps rollout: secret-scanning gates, tflint + OPA/conftest policy checks (12+ misconfigurations blocked in the first quarter), ~60% smaller IAM permission surface, SOPS + KMS secrets - zero pipeline-attributable security incidents.
- Built a two-tier private PKI with CRL revocation and Nginx mutual TLS; implemented SPF, DKIM, and DMARC on AWS SES across client domains.

### Leapfrog Technology - DevOps Engineer Intern

*Kathmandu, Nepal | Oct 2021 - Dec 2021*

- Deployed AWS infrastructure (EC2, Lambda, S3, Route 53, VPC, IAM), Nginx, and CI/CD pipelines; administered CentOS/Ubuntu servers, firewalls, DNS, NAT, and OpenVPN.

### NAXA - Backend Developer

*Chitwan, Nepal | May 2021 - Oct 2021*

- Built geospatial REST APIs with Python, Django, and PostGIS; automated Cisco and MikroTik router configuration with Python (netmiko, paramiko).

## CERTIFICATIONS

- AWS Certified Security - Specialty (Amazon Web Services) - Sep 2026, valid through Sep 2029
- AWS Certified Solutions Architect - Associate (Amazon Web Services) - Jul 2023
- HashiCorp Certified: Terraform Associate (003) (HashiCorp) - Jun 2023

## EDUCATION

Bachelor's degree, Computer Science and Information Technology (B.Sc. CSIT)