

UJJWOL THAPA

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PROFESSIONAL SUMMARY

System Administrator with three years managing Linux infrastructure and DevOps pipelines on AWS and Azure. Built CI/CD automation with GitLab and Docker Swarm and implemented monitoring for large server fleets using Zabbix and Grafana. Focused on automation, reliability, and secure infrastructure.

CORE SKILLS

- **Cloud:** AWS: EC2, S3, IAM, VPC; Azure: VMs, Site Recovery
- **DevOps:** Docker, Kubernetes, GitLab CI/CD, GitHub Actions, ArgoCD, Helm
- **IaC & Config:** Terraform, Ansible, Bash, Go, Python
- **Monitoring:** Prometheus, Grafana, Zabbix, Nagios, Graylog, ELK, Loki
- **OS & Web:** Ubuntu, RHEL/CentOS, Nginx, Apache
- **Practices:** CI/CD, GitOps, SRE, Disaster Recovery, Cost Optimization, Security Hardening

PROFESSIONAL EXPERIENCE

System Administrator Feb 2024 – Present
Andmine Pvt Ltd. Lalitpur, Nepal

- Automated GitLab CI/CD pipelines on Docker Swarm, significantly increasing deployment frequency and reducing manual release time.
- Managed Ubuntu and RHEL servers on AWS and Azure using Terraform, maintaining high uptime through Infrastructure as Code and auto-remediation.
- Implemented cost controls on Azure and AWS through rightsizing and reserved instances to reduce monthly infrastructure spend.
- Hardened infrastructure following OWASP guidelines and mitigated critical vulnerabilities with no service downtime.

Associate System Engineer May 2023 – Feb 2024
Esewa Money Transfer Pvt Ltd. Lalitpur, Nepal

- Architected Zabbix and Grafana monitoring for a large fleet of servers, improving incident response with proactive alerting.
- Led Azure Site Recovery setup for disaster recovery, ensuring low RPO and RTO for critical payment services.
- Automated patch management with Ansible, eliminating manual work hours each month.

System Engineer Intern Mar 2023 – May 2023
Lis Nepal Pvt Ltd. Kathmandu, Nepal

- Deployed Graylog and Zabbix via Docker Compose for firewall log analytics, identifying threats during proof of concept.
- Automated Office 365 user provisioning with PowerShell, reducing onboarding time for each user.

PROJECTS

Server Reports Automation to Google Sheets [GitHub]

- Built Python automation to collect server health, disk, and uptime metrics from Linux hosts and push to Google Sheets via API. Scheduled cron for monthly reporting.

Log Analyzer (Nginx & WordPress) [GitHub]

- Go CLI tool parsing Nginx WordPress logs for top IPs, status codes, error rates, and suspicious traffic for fast incident triage.

Terraform vCenter Provisioner [GitHub]

- Terraform IaC to provision multiple VMs on VMware vSphere with static IP, CPU/RAM constraints, and post-provisioning scripts over SSH.

EDUCATION & CERTIFICATIONS

B.Sc. CSIT, Himalaya College of Engineering, Kathmandu 2017–2021

DevOps Course, Deerwalk Training Center 2023

Microsoft Certified: Azure Fundamentals (AZ-900) 2023