

PRASHANT OLI

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CAREER SUMMARY

Infrastructure Engineer with hands-on experience in Linux system administration, networking, firewalls, and Active Directory. Skilled in building and maintaining secure, highly available on-prem and AWS cloud infrastructure using automation and Infrastructure as Code. Strong troubleshooter focused on performance, security hardening, and operational stability.

TECHNICAL SKILLS

Networking and Security: Firewall, NAT, DNS, DHCP, SSL, VPN

Cloud & DevOps: AWS, Docker, Jenkins, GitHub Actions, Terraform, Ansible

Monitoring and Observability: Prometheus, Grafana

Operating Systems & Tools: Linux, Windows, Git, GitHub

Programming & Scripting: Python, Bash, C, C++

PROFESSIONAL EXPERIENCE

Associate IT Infrastructure Engineer

TechKraft Inc. Pvt. Ltd. | Kathmandu, Nepal

Feb 2025 – Present

- Managed a hybrid infrastructure across on-premises and cloud environments, ensuring systems remained secure, reliable, and available while supporting daily business operations for **20 servers/users**.
- Administered Proxmox VE virtualization along with AWS and Azure cloud infrastructure, handling patching, backups, monitoring, and resource scaling as business needs evolved.
- Containerized applications using Docker and deployed workloads to Kubernetes, making application deployments more consistent and reducing release effort.
- Maintained network infrastructure, including routing, switching, VLANs, VPNs, and firewalls, with a strong focus on security, performance, and reliability.
- Automated server provisioning and configuration management using Ansible, reducing manual work and ensuring consistent environments across systems.
- Built and maintained CI/CD pipelines using **GitHub Actions**, enabling faster and more reliable deployments with minimal manual intervention.
- Managed PostgreSQL, MariaDB, and MongoDB databases, including performance tuning, backups, replication, and routine maintenance to ensure application stability.

- Oversaw identity and access management by provisioning and revoking user access promptly while following security best practices.
- Managed IT assets, software licensing, vendor relationships, and service renewals to keep infrastructure and operations running smoothly.
- Implemented monitoring and alerting solutions that helped identify and resolve issues before they affected users.
- Designed, maintained, and regularly tested backup and disaster recovery procedures to ensure systems could be restored when needed.
- Worked closely with development and business teams to plan and implement infrastructure changes that aligned with operational requirements and project goals.
- Maintained clear documentation, including infrastructure diagrams, system configurations, and operational procedures, making environments easier to manage and support.

PROJECTS

Infrastructure Automation & Monitoring Platform

Ansible, pfSense, Prometheus, Grafana

- Automated firewall and network configuration management using Ansible playbooks for pfSense.
- Designed centralized monitoring and alerting for infrastructure and services using Prometheus and Grafana.
- Reduced manual administration effort and improved infrastructure consistency through automation and proactive monitoring.

End-to-End DevOps CI/CD Automation Pipeline

Docker, GitHub Actions, Jenkins, SonarQube, Linux

- Built a fully automated CI/CD pipeline integrating code quality analysis, container image creation, and deployment workflows.
- Automated Docker image publishing to Docker Hub and deployment to Linux VMs with zero manual intervention.
- Implemented monitoring and observability practices to improve application reliability and operational visibility.

EDUCATION

Trinity International College, Kathmandu

Bachelor of Science in Computer Science and Information Technology (BSc.CSIT)

2022 – 2026

Capital College and Research Center, Kathmandu

+2 Science

2017 – 2020

CERTIFICATIONS & ACHIEVEMENTS

- DevOps Certification – Deerwalk Training Center (July 2024)
- Red Hat Linux Certification (April 2024)
- Active Member, Tech Club – Trinity International College (2024 – 2026)

SOFT SKILLS

Strong problem-solving and troubleshooting skills.

Ability to work under pressure and manage multiple tasks.

Good collaboration and communication with cross-functional teams.

Fast learner with a continuous improvement mindset.

REFERENCES

Available upon request