

SUSHANT PRASAI

DevOps Engineer

+977 9863948087 | sushant.prasai60@gmail.com

LinkedIn: [linkedin.com/in/sushant-prasai-79391a218/](https://www.linkedin.com/in/sushant-prasai-79391a218/) | Website: sushantprasai.com.np

PROFESSIONAL SUMMARY

DevOps and System Engineer with nearly 3 years of hands-on experience designing, automating, and operating production infrastructure across AWS, Azure, DigitalOcean, VMware, and Kubernetes-based environments. Strong background in CI/CD automation using Jenkins, GitHub workflows, Ansible, Docker, Terraform, and Linux, with practical experience in monitoring, incident troubleshooting, CIS benchmark hardening, high-availability infrastructure, and production workload support. Experienced in building Kubernetes-native platforms, automating deployments, improving reliability, and collaborating with engineering teams to strengthen release, security, and observability practices.

EDUCATION

B.Sc. in Computer Science & Information Technology (CSIT)

2020-2024

Tribhuvan University (St. Xavier's College), Nepal

PROFESSIONAL EXPERIENCE

DevOps Engineer | Hotstone Innovation (Jiwan Tech)

December 2025 – Present

- Designed and maintained Kubernetes-native infrastructure for web, mobile, and backend services using Docker, Kubernetes, Terraform OSS, and Ansible.
- Built and improved CI/CD pipelines for automated build, test, Docker image creation, and Kubernetes deployment workflows.
- Automated infrastructure provisioning across AWS and DigitalOcean using Terraform, improving repeatability and reducing manual deployment effort.
- Managed Helm-based Kubernetes deployments with environment-specific configurations for development, staging, and production workloads.
- Implemented production monitoring and alerting using Prometheus, Grafana, Loki, and Node Exporter to improve service visibility and incident detection.
- Containerized backend and frontend services, improving deployment consistency, rollback readiness, and operational portability.
- Collaborated with developers to improve release reliability, troubleshoot production issues, and optimize platform performance for high-demand applications.
- Supported Kubernetes workload scaling, resource optimization, and cluster-level troubleshooting for production environments.

- Operated VMware ESXi and vSphere-based production infrastructure, provisioning Linux VMs, configuring networking, storage, and security for business-critical workloads.
- Built a hardened Ubuntu/Linux VM template and improved CIS Benchmark score from 45 to 83, reducing manual hardening effort and improving baseline security compliance.
- Supported Kubernetes and Docker-based workloads across multiple clusters, troubleshooting deployment failures, container runtime issues, networking problems, and resource constraints.
- Managed NAS storage systems; configured storage volumes, access controls, and backup schedules to ensure reliable data availability and disaster recovery readiness.
- Deployed and managed Ceph distributed storage to support high availability, redundancy, and resilient production workloads.
- Implemented infrastructure monitoring using Zabbix and Cacti, maintaining 99.9% uptime and enabling proactive incident detection and resolution.
- Secured enterprise network environments using Check Point, Fortinet, and pfSense firewalls with IPsec, OpenVPN, and WireGuard VPNs for secure remote access.
- Participated in incident troubleshooting for infrastructure, network, storage, and containerized workload issues, coordinating fixes with internal teams.
- Automated Linux hardening and configuration workflows using Ansible and Wazuh, supporting repeatable security operations and compliance improvements.

Additional Experience / Leadership & Technical Activities

Speaker | UbuCon Asia 2025

- Delivered a technical talk on “**Enhancing CIS Benchmark for Ubuntu Using Wazuh and Ansible**”, demonstrating automation of security hardening processes and monitoring improvements.

Coordinator | EcoSphere Club, St. Xavier’s College

- Organized environmental awareness events and technical workshops for students, improving participation and outreach.
- Led a team of peers to plan and execute campus sustainability initiatives.

Executive Member | SQC UDAAN, St. Xavier’s College

- Assisted in planning college events, managing logistics, and coordinating teams to ensure smooth execution.
- Developed leadership and project management skills through active involvement in student activities.

TECHNICAL PROJECTS

- **2Klips Dating App:** Planned, designed and implemented infrastructure for a projected 500K-user dating platform and migrated workloads to AWS using VPC, IAM, RDS, EKS, and related services. Implemented GitHub Actions CI/CD pipelines for automated build, test, Docker image deployment, and release workflows.
- **Sabai / Dammi Platform:** Designed scalable DevOps architecture and implemented CI/CD pipelines for automated integration, Docker image builds, and deployment workflows. Supported containerized deployment, environment configuration, and production-readiness improvements.
- **Centralized Kubernetes Management Platform:** Developed a FastAPI-based tool to manage multiple Kubernetes clusters, monitor node/image health, visualize cluster status, and support automated node-scaling workflows.
- **Ubuntu CIS Benchmark Hardening (Ubucon Talk 2025):** Automated Ubuntu security hardening using Wazuh and Ansible, improving CIS Benchmark compliance and demonstrating repeatable Linux security workflows at UbuCon Asia 2025.

CORE COMPETENCIES/SKILLS:

- **CI/CD & Release Engineering:** Jenkins, GitHub Actions
- **Kubernetes & Containers:** Kubernetes, Docker, Helm
- **Infrastructure as Code & Automation:** Terraform, Ansible, Bash scripting
- **Cloud & Infrastructure:** AWS, Azure, DigitalOcean, Oracle Cloud, VMware vSphere
- **Observability & Monitoring:** Prometheus, Grafana, Loki, Zabbix, Cacti, Node Exporter
- **Security & Compliance:** Trivy, Wazuh, CIS hardening, Check Point, Fortinet, pfSense
- **Linux, Networking & Storage:** Ubuntu, RHEL-based Linux, Ceph, VPN (IPSec, OpenVPN, WireGuard), NAS

CERTIFICATIONS

- AWS Certified: Solution Architect (SAA-C03)
- Microsoft Certified: Azure Fundamentals (AZ 900)
- Microsoft Certified: Security, Compliance, and Identity Fundamentals (SC 900)
- Microsoft Certified: Azure Developer Associate (AZ 204)
- Oracle Cloud Infrastructure 2025 Certified Foundations Associate
- Oracle Cloud Infrastructure 2025 Certified DevOps Professional
- Aviatrix Multi Cloud Network Associate
- KodeKloud Engineer Docker | Git | Jenkins | Linux | Ansible
- cPanel Professional Certification
- cPanel & WHM System Administrator I

REFERENCES

Er. Srijan Shrestha

Chief Technology Officer

Cloud Himalaya Pvt. Ltd

Contact: +977 9801249963

Email: srijan.shrestha@cloudhimalaya.com

Er. Shankar Kharel

Principal Engineer

Hotstone Innovations (Jiwan tech)

Contact: +977 9807592153

Email: itsshankar35@gmail.com