MONU SIDDHIQUE

DevOps Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with nearly 2 years of hands-on experience deploying, securing, upgrading and supporting Nepal government portals and data platforms, including 15+ government production systems under active maintenance and 10+ production deployments. Skilled in Docker, Kubernetes, CI/CD (Jenkins, GitLab CI, GitHub Actions) and infrastructure as code (Ansible, Terraform), with a strong focus on reliable releases, code review and pipeline optimization, observability, backup and recovery, and clear runbooks. Experienced with PostgreSQL, MySQL and Oracle. Recently delivered a production MLOps pipeline end to end. BSc CSIT graduate from Tribhuvan University.

CORE SKILLS

CI/CD & Release Engineering: Jenkins, GitLab CI/CD, GitHub Actions; rolling, blue/green and canary deployments; automated rollback

Containers & Orchestration: Docker, Kubernetes (Deployments, Services, Ingress, ConfigMaps/Secrets), Helm, Kustomize, ArgoCD

Infrastructure as Code: Ansible, Terraform (modules, state management, provisioning)

Observability & Operations: Centralized logging (Dozzle), server metrics (Beszel), incident runbooks and SOPs (Notion)

Networking & Security: DNS, TLS, load balancing, firewalls, VPC/subnet design, microservice networking, troubleshooting

Systems & Scripting: Linux server administration, Bash, Python, Nginx, systemd, cron

Backup & Recovery: Backup scheduling, retention policies, restore drills, offsite copies

Databases: PostgreSQL, MySQL, Oracle; deployment, backup, monitoring and maintenance

MLOps: Model training pipelines, artifact management, FastAPI serving, automated production deploy and rollback

Cloud & Tools: AWS, GCP, Git, GitLab, GitHub, Cloudflare, Nginx Proxy Manager

PROFESSIONAL EXPERIENCE

DevOps Engineer | Yenyasoft Private Limited, Kathmandu **2025 – Present**

- Own deployment, maintenance, upgrades, security, migration and support of Nepal government websites and data platforms: 15+ government production deployments currently maintained and 10+ production deployments delivered.
- Designed and operated microservices architectures across 3–5 servers, containerizing services with Docker and orchestrating them with Kubernetes.
- Built CI/CD pipelines with Jenkins, GitLab CI and GitHub Actions to automate builds, tests and zero-downtime deployments.

- Review code and continuously optimize build, test and deployment pipelines.
- Standardized server provisioning, configuration and environment parity using Ansible and Terraform.
- Set up observability with Dozzle for centralized logs and Beszel for server metrics; documented SOPs and incident runbooks in Notion.
- Managed backup systems (scheduling, retention, restore drills) and improved recovery readiness for critical services.
- Led MLOps delivery for ZenO AI: automated model training pipelines, packaged models and deployed FastAPI services to production with full CI/CD and rollback.

GOVERNMENT PROJECTS

- **GIOMS** (gioms.gov.np); **Central PSC** (psc.gov.np); **ORMS** – Nepal Police careers portal (careers.nepalpolice.gov.np); **MOICS** (moics.gov.np); **CPAS** – MoHA (cpas.moha.gov.np). Microservices-based systems on 3–4 delegated servers, with scheduled backups and routine maintenance; worked across deployment, upgrades, security, migration and support.
- **PEMS** (pems.psc.gov.np) – Public Service Commission exam management: deployed and managed the application and database on Kubernetes and Docker with PostgreSQL backup and monitoring.
- **Office of the Auditor General** (oag.gov.np) – microservices deployed across 4–5 servers; configured networking, TLS and service discovery.
- **CIMS** (ext.cims.gov.np) – containerized microservices with GitLab CI-driven releases.

OTHER PROJECTS

- **ZenO AI (MLOps):** automated training, model versioning and FastAPI deployment with CI/CD and rollback.
- **Private sector:** JobeJee, Suvidha ERP and ZenoEnterprise – containerized deployments, automated pipelines and production hardening.

EDUCATION

Bachelor of Science in Computer Science and Information Technology (BSc CSIT) **2026 (2082 BS)**

Tribhuvan University – Texas International College | Percentage: 78.81%

+2 Science **2021 (2078 BS)**

Surkhet Horizon Academy | GPA: 2.78

REFERENCE

Suraj Maharjan – Executive Director, Yenyasoft Private Limited

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