SANDAB GHARTI GC

Platform Engineer | DevOps Engineer | CNCF Kubestronaut

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SUMMARY

DevOps and Platform Engineer with 3+ years of hands-on experience designing and operating cloud and on-premises infrastructure across AWS, Azure, and GCP. Proven track record in Kubernetes orchestration, Infrastructure as Code with Terraform, GitOps workflows with ArgoCD, and CI/CD automation that has cut deployment times by up to 60%. Focused on building platforms that are secure, observable, and highly available. Recognized as a CNCF Kubestronaut, one of a select group of engineers worldwide who hold all five active CNCF Kubernetes certifications (CKA, CKAD, CKS, KCNA, KCSA) simultaneously.

TECHNICAL SKILLS

Cloud & IaC: AWS, Azure, GCP, DigitalOcean, Terraform, Vagrant, Ansible
Containers & Orchestration: Kubernetes (EKS, AKS, GKE, K3s), Docker, Docker Swarm, Helm, ArgoCD, Istio (basic)
CI/CD & DevSecOps: Git, GitHub Actions, Jenkins, GitLab CI, ArgoCD, GitOps, Vault, SonarQube, Kube-bench, Kube-hunter, Teleport, CrowdSec
Monitoring, Networking & Security: Prometheus, Grafana, Loki, OpenTelemetry (basic), ELK, Zabbix, CloudWatch, NGINX, Cloudflare, TCP/IP, DNS, Routing, TLS/SSL, WireGuard, OpenVPN, Fail2Ban, iptables, Kong
Virtualization & OS: Proxmox VE, KVM, Ubuntu, Debian, CentOS, Red Hat, FreeBSD
Languages, DB & Web: Python, Bash, JavaScript (Node.js), PHP, SQL, MySQL, PostgreSQL, MongoDB, Redis, LAMP, SSH, FTP, SMTP, IMAP

EXPERIENCE

Rumsan Associates | *DevOps Engineer* Feb 2023 – Aug 2025

- Architected and operated cloud (AWS, Azure, DigitalOcean) and on-premises K3s Kubernetes environments hosting microservices applications and messaging platforms (RabbitMQ, BullMQ, Redis) using ArgoCD, Helm, and GitOps workflows, maintaining ~99.9% uptime.
- Built Terraform-based IaC and Azure DevOps CI/CD pipelines, cutting deployment time by ~60% and eliminating manual provisioning.
- Implemented HashiCorp Vault as a centralized secret management platform, integrating Kubernetes authentication, Vault Agent Injector, and GitHub Actions to securely deliver secrets for GitOps deployments.
- Hardened cluster security with CIS benchmarks, Kube-bench, Kube-hunter, and zero-trust access via Teleport.
- Deployed centralized observability (Prometheus, Grafana, Loki), cutting incident response time by ~50%.
- Designed high-availability networking on Proxmox VE with bonded interfaces and failover, integrated NGINX Ingress with Azure Front Door CDN, reducing latency by ~30%.
- Designed and automated database backup, recovery, and disaster recovery processes for MongoDB, PostgreSQL, and MySQL using Bash scripts, cron jobs, and AWS S3, enhancing platform resilience and business continuity.

Asians Groups LLC | *AIOps Engineer* | Contract Sep 2025 – Nov 2025

- Automated multi-cloud infrastructure provisioning (AWS, Azure, GCP) with Terraform and Ansible, eliminating ~70% of manual effort.
- Managed containerized workloads on Kubernetes with Kong API Gateway and CrowdSec security layer, unified monitoring via Zabbix, Prometheus, Grafana, and ELK Stack.
- Hardened infrastructure with NGINX, Fail2Ban, and iptables to reduce attack surface and improve system resilience.

Quark InfoTech | *DevOps Engineer* | Part-Time Dec 2025 – Present

- Built GitHub Actions CI/CD pipelines and managed Docker Compose deployments for Next.js, NestJS, and Laravel applications, handled TypeORM database migrations and reduced deployment time by ~50%.
- Migrated codebase from self-hosted GitLab to GitHub, eliminating 100% of hosting and CI runner costs; integrated HashiCorp Vault via OIDC with GitHub Actions for centralized, secretless secret management across all pipelines.
- Optimized MySQL, PostgreSQL, Redis, DNS, CDN, SSL, and Cloudflare configurations to improve application performance and security.

OPEN SOURCE CONTRIBUTIONS

- CapRover: Optimized Dockerfile reducing production image size from 810MB to 477MB (41% reduction) — merged PR #2009.
- Twenty CRM: Enhanced container startup performance by optimizing the entrypoint script — merged PR #5815.

CERTIFICATIONS

CNCF Kubestronaut: CKA, CKAD, CKS, KCNA, KCSA | GCP Associate Cloud Engineer | Microsoft Azure Fundamentals (AZ-900)

EDUCATION

B.E. Software Engineering, Nepal College of Information Technology 2018 - 2023

COMMUNITY & INTERESTS

NOSK (Nepal Open Source Klub) | DevOps Kathmandu | CNCF Kathmandu — Interests: Cybersecurity, Penetration Testing, CTF Challenges