Santosh Kafle DevOps & Cloud Engineer | Backend Developer

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SUMMARY

DevOps and backend engineer with hands-on experience running containerized environments, CI/CD pipelines, and Linux servers behind high-traffic e-commerce platforms and RESTful APIs. Skilled in Docker, Nginx, Prometheus and Grafana, Laravel, NestJS, and PostgreSQL. Kept e-commerce API responses fast for thousands of daily users with Redis caching and Meilisearch.

TECHNICAL SKILLS

Languages: PHP, JavaScript, TypeScript
Frameworks: Laravel, NestJS, Express.js
Databases: PostgreSQL, MySQL, MongoDB, Redis, Meilisearch
DevOps & Cloud: Docker, Docker Compose, CI/CD, GitHub Actions, Linux, Bash Scripting, Nginx, AWS, Cloudflare DNS, Prometheus, Grafana, Git, Incident Response, Server Hardening
Other: RESTful APIs, JWT, OAuth2, Rate Limiting, OWASP Top 10

WORK EXPERIENCE

Freelance DevOps Engineer – Self-employed, Remote — Mar 2026 – Present

Backend Developer – Quark InfoTech, Lalitpur — Apr 2025 – Feb 2026

- Led incident response on a compromised React SSR host: removed a cryptocurrency miner, rotated all environment credentials, and hardened the server
- Containerized development and production environments with Docker, provisioning PostgreSQL and Nginx for parity across deployments
- Administered Linux hosts and configured Cloudflare DNS (SPF, DKIM, DMARC) for an automated 2FA mail flow; rate-limited auth endpoints against brute-force attempts
- Built e-commerce backends (zolpastore.com, ultima.com.np, singingbowlvillagenepal.com) with Redis caching and Meilisearch, keeping responses fast for thousands of daily users

Backend Developer Intern – Quark InfoTech, Lalitpur — Jan – Mar 2025

- Developed RESTful microservices with Laravel and Node.js using JWT auth and rate limiting
- Wrote API documentation that reduced onboarding time for the frontend team
- Shipped production features for e-commerce backends including product filtering, pagination, and order processing workflows

PROJECTS

Multi-Service Deployment — Docker Compose, GitHub Actions, GHCR, Nginx, MongoDB, Redis
Five containers behind one Nginx proxy, least-privilege DB user; CI runs 13 black-box checks, ships SHA-tagged GHCR images

homelab-monitoring — Prometheus, Grafana, Alertmanager, cAdvisor, Bash
Host and per-container metrics, 10 alert rules sent to phone via ntfy, one-command installer tested in CI

zolpastore.com — Laravel, Redis, Meilisearch, PostgreSQL, MySQL, Docker
E-commerce platform with Redis caching, Meilisearch search, OAuth auth, event-driven architecture

ultima.com.np — PHP, Laravel, MySQL, Docker, GETPAY
E-commerce backend with optimized APIs, GETPAY payment integration, high-traffic infrastructure

singingbowlvillagenepal.com — PHP 8.4, Laravel 12, PostgreSQL, GETPAY
E-commerce site on PHP 8.4 and Laravel 12 with PostgreSQL; set up secure payments for international customers

iteam.com.np — Laravel, PostgreSQL, Docker, Deployment
Supported setup, planning, and initial-phase backend work; Docker-based environment, database provisioning

OPEN SOURCE

- Maintain open-source projects on GitHub: a zero-dependency TypeScript date library on npm, released from CI with no stored token, and a Rust HTML to PDF converter replacing the unmaintained wkhtmltopdf
- Built free, browser-only infrastructure tools for email security, DNS propagation, subnets and cron schedules, open to anyone with no signup at kaflesantosh.com.np/tools

EDUCATION

Bachelor's of Computer Applications (BCA) – Reliance College, Kathmandu — 2020 – 2025

High School Diploma, Computer Science – Reliance International Academy — 2018 – 2019