# BIJAY KANDEL

## Senior DevOps Engineer

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### PROFESSIONAL SUMMARY

Senior DevOps Engineer with nearly 5 years of experience building, automating and operating cloud and on-premises infrastructure on AWS and Azure. Hands-on with CI/CD (Azure DevOps, GitLab CI, Jenkins, GitHub Actions), containerization (Docker, Kubernetes), Infrastructure as Code (Terraform, Ansible) and observability (Prometheus, Grafana, ELK Stack, Datadog). Proven record of reducing Azure production costs by 24%, cutting deployment time by 40% and implementing ISO 27001 and HIPAA-aligned security controls. Experienced in leading and mentoring DevOps teams in Agile environments.

### TECHNICAL SKILLS

**Cloud Platforms:** AWS (EKS, ECS, EC2, Lambda, RDS, S3, DynamoDB), Microsoft Azure (App Service, Function Apps, API Management, IoT Hub, Service Bus, Virtual Machines, Application Insights), DigitalOcean, Hetzner
**Containers & Orchestration:** Docker, Kubernetes, Amazon EKS, Amazon ECS
**CI/CD:** Azure DevOps Pipelines, GitLab CI/CD, Jenkins, GitHub Actions, Git
**Infrastructure as Code & Config Management:** Terraform, AWS CloudFormation, AWS CDK, Ansible
**Scripting:** Bash, Python
**Monitoring & Observability:** Prometheus, Grafana, Loki, Promtail, ELK Stack (Elasticsearch, Logstash, Kibana), Datadog, Splunk, Zabbix, Uptime Kuma
**Security & Compliance:** ISO 27001:2022 (ISMS), HIPAA, SonarQube (SAST), Teleport, Bitwarden, VPN, Linux server hardening
**Servers, Networking & Virtualization:** Linux, Nginx, Apache, Traefik, load balancing, Nutanix, cPanel
**Other:** Selenium, Asterisk, FreePBX, Janus, LiveKit (WebRTC)

### PROFESSIONAL EXPERIENCE

**Senior DevOps Engineer** | Bitskraft **Dec 2024 – Present**

- Reduced annual Azure production costs by 24% by migrating services to right-sized virtual machines and optimizing databases, while maintaining 99.99% uptime and ISO 27001 compliance.
- Led DevOps for an IoT project on Azure, increasing operational efficiency and delivery speed by 25%.
- Built CI/CD pipelines in Azure DevOps and Bash/Python automation scripts for client on-premises deployments, enabling zero-downtime releases.
- Cut development environment cloud spend by migrating Azure dev infrastructure to on-premises Nutanix virtualization.
- Implemented health checks and threat prevention controls across existing services, significantly reducing service downtime.
- Implemented VPN-based secure access to databases and virtual machines, restricting internal infrastructure to authenticated users.
- Led and mentored a DevOps team in Agile practices, improving deployment efficiency and client response times.

**DevOps Engineer** | Mantra Ideas **Dec 2023 – Dec 2024**

- Deployed centralized logging and monitoring (ELK Stack, Grafana) for AWS workloads, lowering monitoring cost and improving log search performance in line with HIPAA requirements.
- Evaluated and selected AWS services for existing applications and led their migration, improving performance and efficiency.
- Partnered with developers to integrate SonarQube static code analysis, Selenium test automation and Ansible configuration management into the delivery workflow.
- Reduced system failures on private servers by introducing proactive health checks and monitoring.
- Managed Linux and cPanel web servers with load balancing for high-traffic applications.
- Configured Asterisk and FreePBX VoIP servers to deliver call integration for a web application.

**Associate DevOps Engineer** | Amnil Technologies **Jan 2022 – Dec 2023**

- Containerized existing PHP applications with Docker and set up LEMP/LAMP stacks, improving deployment consistency and speed.
- Implemented CI/CD pipelines with Jenkins and GitLab CI and defined the application release process.
- Contributed to ISO 27001:2022 ISMS implementation, including policy rollout and staff training.

- Strengthened infrastructure security by deploying Teleport for secure access, Bitwarden for credential management and Uptime Kuma for availability monitoring.
- Monitored production servers and configured alerting to improve system stability and reliability.
- Performed routine Linux server maintenance and resource optimization to keep systems performant.
- Mentored interns through project planning and technical assessments; received the Above and Beyond Award (2023).

## EDUCATION

**Bachelor of Engineering in Computer Engineering** **2016 – 2021**

Kathmandu Engineering College, Tribhuvan University | Major: Computer Networking and Distributed Systems | Full scholarship

## CERTIFICATIONS

- AWS Certified Cloud Practitioner – Amazon Web Services (2023)
- DevOps Internship Certificate – Leapfrog Technology (2021)

## LANGUAGES

English, Nepali, Hindi