JANIS ADHIKARI

DevOps Engineer

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DevOps Engineer (Fresher) with a strong foundation in CI/CD, Kubernetes, AWS, and Terraform. Passionate about automation, cloud infrastructure, and monitoring, eager to learn and implement best DevOps practices.

Education:

Bachelor in Information Technology

(2022-2026)

National college of Management and Technical Science, Samakhushi Kathmandu

Intermediate level (+2 science), NEB

(2020-2022)

Canvas Int'l College, Basundhara Kathmandu

Secondary level Education (SEE), NEB

(2020)

Bageshwaree Secondary School, Suryagadhi Nuwakot

Projects:

Deployed Microservices for Online Boutique

Deployed a microservices-based e-commerce platform for an online boutique on AWS EKS using Kubernetes. CI/CD pipelines with GitHub Actions were implemented for automated deployment and scaling of the service

Key Features:
- ✔ Containerized with Docker for efficient deployment
- ✔ Seamless CI/CD integration using GitHub Actions
- ✔ Scalable Kubernetes architecture on AWS EKS, with load balancing
- ✔ Cloud-based deployment on AWS for high availability
- ✔ Monitoring with Prometheus and Grafana for observability
- ✔ Web serving through Nginx for efficient traffic management

🔗 GitHub Repository: *https://github.com/janisadhi/Microservices-deployment*

Deployment of Wanderlust (Travel Blog)

Deployed the Wanderlust Travel Blog application as a 3-tier architecture on AWS EKS, utilizing Jenkins CI/CD pipelines for seamless automation of build and deployment.

Key Features:
- ✔ 3-tier architecture for efficient separation of concerns (frontend, backend, and database)
- ✔ Automated CI/CD pipeline using Jenkins for continuous integration and delivery
- ✔ Deployed on AWS EKS for scalable and reliable Kubernetes infrastructure
- ✔ Nginx Reverse proxy configuration for traffic routing through custom domain
- ✔ Hands-on experience with AWS services for cloud management and deployment

🔗 GitHub Repository: *https://github.com/janisadhi/wanderlust_cicd*

Cloud Resume Challenge

A serverless resume website deployed on AWS S3 with CloudFront for secure access. Integrated a visitor counter using AWS Lambda, DynamoDB, and API Gateway, with Terraform for infrastructure automation and GitHub Actions for CI/CD.

Key Features:
- ✔ Static website hosting on AWS S3 with CloudFront for HTTPS
- ✔ Visitor counter using AWS Lambda (Python) and DynamoDB
- ✔ API Gateway to trigger serverless functions
- ✔ Infrastructure as Code using Terraform
- ✔ CI/CD pipelines with GitHub Actions
- ✔ Domain management with Cloudflare

🔗 Live Demo: *https://janisadhi.me*
🔗 GitHub Repository: *https://github.com/janisadhi/cloud-resume*

YouTube Clone Deployment (End-to-End DevOps Implementation)

Developed and deployed a fully containerized YouTube-like application, implementing CI/CD pipelines, infrastructure as code (IaC), Kubernetes orchestration, and monitoring solutions.

Key Features:

- ✔ Dockerized: Frontend (React/Nginx) & Backend (Node.js/Express).
- ✔ Docker Compose: Multi-service networking.
- ✔ IaaC & Automation: Terraform (EC2) & Ansible setup.
- ✔ CI/CD: Jenkins & GitHub Actions.
- ✔ Kubernetes: AWS EKS, scaling, ConfigMaps, storage.
- ✔ Monitoring: Prometheus & Grafana alerts.
- ✔ Database: PostgreSQL with auto backups.

🔗 GitHub Repository: *https://github.com/janisadhi/youtube*

Achievements:

✔ Developed "Electro Map" project during a 48-hour hackathon organized by Codenature, showcasing rapid   development and collaboration under pressure.
✔ Successfully Deployed 20+ application
✔ Complete every DevOps of Roadmap.sh

Training & Certifications:

DevOps Training- Mind Risers Consortium (2024)

Hands-on experience with DevOps Practices like containerization, IaaC, CI/CD, Automation &monitoring and tools like docker, Kubernetes, terraform, Ansible, GitHub action, Jenkins, Grafana, Prometheus etc.

Certificate url: *https://www.mindrisers.com.np/certificate/validate/MR-81015-DV*

AWS Cloud Quest: Cloud Practitioner- Amazon Web Services Training and Certification

Certificate url: *https://www.credly.com/badges/6fd4a8a7-4b9f-4ebf-b72f-df1f6159577b/linked_in_profile*

Skills:

✔ Containerization & Orchestration: Docker, Kubernetes
✔ Helm Chart
✔ Docker-compose
✔ CI/CD Tools: Jenkins, GitHub Actions
✔ Cloud: AWS
✔ Provisioning: Ansible, Terraform

- ✔ Operating Systems: Linux
- ✔ Monitoring: Grafana, Prometheus
- ✔ Virtualization: VirtualBox, Vagrant
- ✔ Version Control: Git, GitHub
- ✔ Programming: Python, React.js, Django, Shell Scripting, Java
- ✔ WordPress Deployment

Additional Details:

- ✔ Availability: Immediately
- ✔ Language: English, Nepali
- ✔ Interests: Cloud Computing