

AAYUSH ADHIKARI

DevOps Engineer

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PROFILE SUMMARY

System Engineer and DevOps Engineer with strong hands-on experience in cloud infrastructure, CI/CD automation, containerization, and monitoring. Proven ability to design, deploy, and manage scalable and secure systems in AWS environments. Comfortable owning infrastructure end-to-end, automating repetitive operations, and supporting production workloads with high reliability.

WORK EXPERIENCE

Mid-level Devops Engineer, Dalfin ai [🔗](#) 02/2026 – Present
Thapathali, Kathmandu

- Leading end-to-end MLOps and DevOps workflows for AI product delivery
- Designed and managed ML training and deployment pipelines on AWS SageMaker
- Migrated EC2-based server workloads to Amazon EKS for improved scalability and orchestration
- Automated model packaging, versioning, and environment provisioning
- Implemented CI/CD pipelines for rapid and reliable model/application releases
- Built scalable cloud infrastructure with strong focus on reliability and security

DevOps Engineer, Saharamind [🔗](#) 08/2025 – 02/2026
Boudha, Ktm

- Sole DevOps Engineer managing end-to-end infrastructure
- Designed and deployed HIPAA-compliant AWS infrastructure
- Supported development environments on AWS EC2
- Ran and maintained production workloads on Amazon ECS
- Ensured secure, scalable, and highly available systems
- Implemented Infrastructure as Code using Terraform
- Built and maintained CI/CD pipelines using Github Action
- Delivered fully automated provisioning and deployment workflows

Part-time Cloud Engineer, SB Global Venture Pvt. Ltd. [🔗](#) 11/2025 – 02/2026
Thamel, Ktm

- Managed multiple projects with varying infrastructure requirements
- Designed and implemented scalable cloud architectures
- Built and maintained CI/CD workflows for automated delivery
- Automated deployment and operational processes
- Deployed and managed containerized applications
- Ensured system reliability, performance, and uptime
- Implemented monitoring and alerting solutions
- Performed proactive maintenance and issue prevention

DevOps Apprenticeship, TekBay Academy [🔗](#) 11/2025 – 02/2026
Ekantakuna, Lalitpur

- Enrolled in an intensive Cloud/DevOps apprenticeship program
- Completed hands-on AWS labs and real-world DevOps projects
- Gained practical experience with core DevOps tools and workflows
- Training aligned with AWS certification objectives
- Developed job-ready cloud and DevOps engineering skills

DevOps Engineer Intern, Mindrisertech [↗](#)

02/2024 – 08/2025

- Collaborated with senior DevOps engineers on production-grade deployments
- Independently managed deployment of the NEPX project
- Containerized applications using Docker
- Configured NGINX for reverse proxy and web serving
- Used Git for source code version control
- Assisted in CI/CD pipeline setup and maintenance
- Managed server configuration and deployments
- Applied DevOps best practices in real-world environments

Putalisadak, Ktm

AWS Apprenticeship, Adex International [↗](#)

11/2024 – 02/2025

- Completed hands-on AWS apprenticeship focused on cloud infrastructure
- Worked extensively with EC2, S3, IAM, VPC, and CloudFormation
- Designed cloud architectures following security and scalability best practices
- Optimized infrastructure for cost and performance
- Earned AWS Certified Solutions Architect – Associate (SAA)

Ekantakuna, Lalitpur

Audio Visual – IT Support, Nepal Medical College [↗](#)

10/2023 – 07/2024

- Managed and maintained 20+ systems with 99% uptime
- Troubleshoot hardware, software, and network issues
- Ensured uninterrupted IT operations for medical staff and students
- Performed preventive maintenance to reduce system failures

Aarubari, Kathmandu

Computer Technician, Sagar Computer

08/2020 – 09/2023

- Provided on-site technical support for hardware and software issues
- Performed OS troubleshooting and system maintenance
- Resolved network configuration and connectivity problems
- Conducted data recovery for various client environments

Boudha, Kathmandu

EDUCATION

Bachelor in Computer Application (BCA), Reliance College [↗](#)

2021 – 2025

Kathmandu

SKILLS & ABILITIES

Cloud & Infrastructure

- AWS (EC2, S3, IAM, VPC, RDS)
- Cloud Architecture & Tool Practices
- AWS Certified Solutions Architect – Associate

Containerization & Orchestration

- Docker, Docker Compose
- Kubernetes (K8s), AWS EKS

Monitoring & Logging

- Prometheus, Grafana
- ELK stack (basic familiarity)

Operating Systems

Linux, macOS

Version Control

Git, Github

Workflow Automation

- CI/CD: Jenkins, Github Actions, AWS CodePipeline
- Infrastructure as Code: Terraform
- Configuration Management: Ansible
- Python scripting

Databases

MongoDB, MySQL, PostgreSQL

PROJECTS

TERRA-BUD [↗](#), *Terraform Cost Estimation Platform* [[terrabud.site](#)]

- Terraform cost estimation web application
 - Built a no-login cost estimation platform for Terraform infrastructure
 - Parsed Terraform code to identify cloud resources automatically
 - Estimated monthly costs using cached pricing from AWS, Azure, and GCP
 - Supported pasted Terraform code and .tf file uploads
 - Integrated optional GitHub repository analysis
 - Enabled scenario-based cost comparison across regions and scaling assumptions
 - Generated shareable, read-only cost estimate links
 - Provided AI-driven cost optimization insights
 - **Tech Stack:** FastAPI (Python), HTML, CSS, JavaScript, Terraform, Cloud Pricing APIs
- https://github.com/Aayush786-21/terraform_cost_estimation.git [↗](#)

DevOps Butler, *A vercel like web application*

- Users deploy projects by granting repository access
 - Automated build and deployment using Docker
 - Handled end-to-end deployment without manual
 - **Tech Stack:** Python, Flask, Docker, Gemini 2.9
- <https://github.com/Aayush786-21/Devops-Butler.git> [↗](#)

Netflix Clone, *CI/CD Deployment*

- Deployed a Netflix clone using a robust CI/CD pipeline
 - Automated builds and deployments using Jenkins
 - Containerized the application with Docker
 - Orchestrated deployments with Kubernetes
 - Used AWS EKS for high availability and scalability
 - **Tech Stack:** Jenkins, Docker, Kubernetes, NGINX, AWS EKS, Prometheus, Grafana
- <https://github.com/Aayush786-21/netflix-.git> [↗](#)

Chatbot Deployment, *CI/CD-focused deployment project for a chatbot application*

- Automated build, test, and deployment using Jenkins
 - Containerized the application with Docker
 - Deployed and orchestrated containers using Kubernetes
 - **Tech Stack:** Jenkins, Docker, Kubernetes, Terraform, NGINX, Prometheus, Grafana
- <https://github.com/Aayush786-21/chatbot-deploy.git> [↗](#)

Wanderlust, *MERN Stack Deployment*

- Full CI/CD-enabled MERN stack web application
 - Implemented Jenkins and GitHub Actions for CI/CD
 - Containerized services using Docker
 - Orchestrated deployments with Kubernetes
 - Managed infrastructure using Terraform
 - Configured NGINX as a reverse proxy
 - Deployed on AWS EC2
 - Ensured scalable, reliable, and automated delivery
 - **Tech Stack:** Jenkins, GitHub Actions, Docker, Kubernetes, Terraform, NGINX, AWS EC2, Prometheus, Grafana
- <https://github.com/Aayush786-21/mern-deployment.git> [↗](#)

CERTIFICATIONS

- - AWS Certified Solutions Architect – Associate (SAA)

References

Sudip Lamsal [✉](#), *Associate Cyber Security Manager, CedarGate Services*
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