

AAYUSH ADHIKARI

DevOps Engineer

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Profile Summary

DevOps engineer with expertise in cloud infrastructure, CI/CD automation, and container orchestration.

Work Experience

DevOps Engineer, [saharamind]

08/2025 – Present

Boudha, KTM

- Sole DevOps Engineer responsible for end-to-end infrastructure design and delivery
- Designed and deployed HIPAA-compliant AWS infrastructure
- Supported development environments on AWS EC2
- Ran production workloads on Amazon ECS
- Ensured secure, scalable, and highly reliable operations
- Implemented Infrastructure as Code using Terraform
- Automated configuration management with Ansible
- Built and maintained CI/CD workflows using AWS CodePipeline
- Delivered fully automated provisioning and deployment pipelines

Part-time Cloud Engineer, [SB-Global Venture PVT. LTD]

11/2025 – Present

Thamel, KTM

- Manage multiple projects with varying infrastructure requirements
- Design and implement scalable cloud architectures
- Build and maintain CI/CD workflows for automated delivery
- Automate key operational and deployment processes
- Deploy and manage containerized applications
- Ensure system reliability and performance
- Implement monitoring solutions for visibility and insights
- Perform proactive maintenance and issue prevention

DevOps Apprenticeship, [Tekbay Academy]

11/2025 – Present

Ekantakuna, KTM

- Pursuing TekBay Academy's Cloud/DevOps apprenticeship program
- Engaged in intensive, hands-on AWS training
- Working on real-world DevOps labs and projects
- Gaining practical experience in cloud and DevOps tools
- Training aligned with AWS certification objectives
- Developing job-ready cloud and DevOps engineering skills

DevOps Engineer Internship, [Mindrisers Tech]

02/2025 – 08/2025

Putalisadak, KTM

- Collaborated with senior DevOps engineers on real-world deployment workflows
- Independently managed the deployment of the NEPX project
- Used Docker for application containerization
- Configured NGINX for web serving and reverse proxying
- Utilized Git for source code version control
- Gained hands-on experience with CI/CD pipelines
- Managed server configuration and deployments
- Applied DevOps best practices in production-like environments

AWS Apprenticeship, [Adex International]	11/2024 – 02/2025 Maharajgunj, KTM
<ul style="list-style-type: none"> Completed a hands-on AWS apprenticeship program focused on cloud infrastructure and deployment Gained practical experience with core AWS services including EC2, S3, IAM, VPC, and CloudFormation Designed cloud infrastructure following security, scalability, and cost-optimization best practices Earned the AWS Certified Solutions Architect – Associate (SAA) certification Demonstrated proficiency in designing secure, scalable, and cost-effective AWS solutions 	
Audio Visual- IT, [Nepal Medical college]	10/2023 – 07/2024 Aarubari, KTM
<ul style="list-style-type: none"> Managed 20+ computers with 99% uptime to support critical medical college operations Troubleshoot hardware, software, and network connectivity issues Ensured consistent operational availability of systems Implemented preventative maintenance to reduce system failures 	
Computer Technician, [Sagar computer]	08/2020 – 09/2023 Boudha, KTM
<ul style="list-style-type: none"> Provided on-site technical support for hardware and software issues Performed Windows OS troubleshooting and system maintenance Resolved network connectivity and configuration problems Conducted data recovery for diverse client environments 	
Education	
Bachelor in Computer Application, [Reliance College]	2021 – 2025 Kathmandu, Nepal

Skills and Abilities	
Cloud Containers & Orchestration	Database
AWS Certified Solutions Architect - Associate; EC2, S3, IAM, VPC, RDS; Docker, Kubernetes (K8s), Cloud Architecture & Best Practices.	Mongodb, MySQL, PostgreSQL
Operating systems	DevOps & Automation
Linux, MacOS	CI/CD (Jenkins, GitHub Actions), IaC (Terraform), Configuration Management (Ansible), Python Scripting, Docker compose
Technical Proficiencies	IAC
System Troubleshooting, Network Diagnostics, IT Support, Nginx, Troubleshooting.	Terraform, Ansible
Version Control	Monitoring & Logging
Git, Github	Prometheus, Grafana, ELK Stack (basic familiarity)

Projects	
DevOps Butler	
<ul style="list-style-type: none"> Vercel-like web application for deploying web projects Users deploy by granting access to their code repositories Automatically builds projects using Docker Handles deployment end-to-end without manual setup 	<p>Tech Stack - Python, Docker, Gemini 2.9, Flask https://github.com/Aayush786-21/Devops-Butler.git</p>

Netflix-clone (deployment)

- Deployed a Netflix-clone application using a robust CI/CD pipeline
- Implemented Jenkins for automated build and deployment workflows
- Containerized the application using Docker
- Orchestrated deployments with Kubernetes for scalability and resilience
- Used AWS EKS for managed Kubernetes with high availability

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
- Used Jenkins to automate build, test, and deployment pipelines
- Containerized the application using Docker
- Deployed and orchestrated containers with Kubernetes

Tech Stack - Jenkins, Docker, Kubernetes, Terraform, NGINX, Prometheus, Grafana

<https://github.com/Aayush786-21/chatbot-deploy.git>

Wanderlust

- Full CI/CD-enabled MERN stack web application
- Designed and deployed using multiple deployment strategies
- Implemented Jenkins for CI/CD automation
- Integrated GitHub Actions for workflow automation
- Containerized services using Docker
- Orchestrated containers with Kubernetes
- Managed infrastructure using Terraform (Infrastructure as Code)
- Configured NGINX as a reverse proxy
- Deployed the application on AWS EC2
- Ensured scalable, reliable, and automated delivery pipelines

Tech Stack - Jenkins, Github Actions, Docker, Kubernetes, Terraform, NGINX, AWS EC2, Prometheus, Grafana

<https://github.com/Aayush786-21/mern-deployment.git>

Certifications

- AWS - Solution architect
associate (SAA)

References

Yaman Shakya, Senior DevOps Engineer, Adex International

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Saugat Tiwari, Senior DevOps Engineer, Adex International

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Sudip Lamsal, Associate Cyber Security Manager, CedarGate Services

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Kashmin Shrestha, Senior Backend Engineer, SB-Global Venture

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