

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

Part-time Cloud Engineer, [SB Global PVT. LTD] I manage multiple projects with different infrastructure needs, design scalable cloud architectures, build CI/CD workflows, and automate key processes. I handle containerized applications and maintain system reliability through monitoring and proactive maintenance.	11/2025 – Present Thamel, KTM
DevOps Apprenticeship, [Tekbay Academy] Pursuing TekBay Academy's Cloud/DevOps apprenticeship with intensive, hands-on AWS training and real-world DevOps labs, aligned to AWS certification and job-ready cloud engineering skills.	11/2025 – Present Ekantakuna, KTM
DevOps Engineer, [saharamind] Sole DevOps Engineer responsible for designing, automating, and deploying HIPAA-compliant AWS infrastructure. I support development on EC2 and run production workloads on ECS, ensuring secure, scalable, and reliable operations. I use Terraform, Ansible, and AWS CodePipeline to deliver fully automated provisioning and CI/CD workflows.	08/2025 – Present Boudha, KTM
DevOps Engineer Internship, [Mindrisers Tech] Collaborated with senior DevOps engineers on real-world deployment workflows. Independently managed the deployment of the NEPX project, utilizing tools like Docker, Nginx, and Git for version control. Gained practical experiences in CI/CD, server configuration, and DevOps best practices.	02/2025 – 08/2025 Putalisadak, KTM
AWS Apprenticeship, [Adex International] Completed a hands-on AWS apprenticeship program focused on cloud infrastructure and deployment. Gained practical experience with core AWS services such as EC2, S3, IAM, VPC, and CloudFormation. Successfully obtained the AWS Certified Solutions Architect - Associate (SAA) certification, demonstrating proficiency in designing scalable, secure, and cost-effective cloud solutions.	11/2024 – 02/2025 Maharajgunj, KTM
Audio Visual- IT, [Nepal Medical college] Managed 20+ computers with 99% uptime, troubleshooting hardware, software, and network connectivity issues to ensure operational uptime for critical medical college functions. Implemented preventative maintenance.	10/2023 – 07/2024 Aarubari, KTM
Computer Technician, [Sagar computer] Provided on-site technical support for hardware and software issues, including Windows OS troubleshooting, network problem resolution and data recovery for diverse clients..	08/2020 – 09/2023 Boudha, KTM

Education

Bachelor in Computer Application, [Reliance College]	2021 – 2025 Kathmandu, Nepal
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Skills and Abilities

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

Projects

DevOps Butler , A Vercel-like web application that allows users to deploy projects by providing repository access. It automatically builds and deploys the project using Docker. If necessary configuration files (like Dockerfile or Docker-compose) are utilizing the platform intelligently generates them. Tech Stack - Python, Docker, Gemini 2.9, Flask https://github.com/Aayush786-21/Devops-Butler.git	
Netflix-clone (deployment) , Deployed a Netflix-clone application using a robust CI/CD pipeline powered by Jenkins, Docker, and Kubernetes to enable scalable, automated delivery. Leveraged AWS EKS for managed Kubernetes, ensuring high availability and simplified cluster management. Integrated Prometheus and Grafana for real-time performance monitoring and visualization. Configured custom alerting rules with email notifications to proactively handle incidents and maintain service reliability. Tech Stack - Jenkins, Docker, Kubernetes, NGINX, AWS EKS, Prometheus, Grafana https://github.com/Aayush786-21/netflix-.git	

Chatbot Deployment, A CI/CD-focused deployment project for a chatbot application. Utilized Jenkins for automation, Docker for containerization, and Kubernetes for orchestration to ensure reliable and scalable deployment. Integrated Prometheus and Grafana for monitoring, with alerting rules configured to trigger email notifications on defined thresholds.

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

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

Wanderlust, A full CI/CD-enabled MERN stack web application. Designed and deployed using multiple deployment strategies, Implemented Jenkins and Github Actions for automation, Docker for containerization, Kubernetes for orchestration, Terraform for infrastructure as code, and NGINX for reverse proxying. Deployed on AWS EC2.

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 