

AAYUSH ADHIKARI

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Profile

DevOps engineer with expertise in cloud infrastructure, CI/CD automation, and container orchestration, building reliable, scalable deployment pipelines. Experienced with AWS, Kubernetes, Docker, and Infrastructure as Code, with a focus on operational excellence and system reliability.

Work Experience

DevOps Engineer, [saharamind]	08/2025 - present
Sole DevOps Engineer leading the design, automation, and deployment of HIPAA-compliant AWS infrastructure , with EC2 for development and ECS for production. Implemented Terraform, Ansible, and AWS CodePipeline for end-to-end CI/CD, automated provisioning, and secure cloud operations. Managed Nginx, SSL, and domain routing while ensuring compliance, scalability, and uptime across all environments.	Boudha, KTM
DevOps Internship, [Mindrisers Tech]	06/2025 – 08/2025
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 experience in CI/CD, server configuration, and DevOps best practices.	Putalisadak, KTM
AWS Apprenticeship, [Adex International]	11/2024 – 02/2025
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.	Maharajgunj, KTM
Audio Visual- IT, [Nepal Medical college]	2023 – 2024
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.	Aarubari, KTM
Computer Technician, [Sagar computer]	2020 – 2023
Provided on-site technical support for hardware and software issues, including Windows OS troubleshooting, network problem resolution and data recovery for diverse clients..	Boudha, KTM

Skills and Abilities

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

Education

Bachelor in Computer Application, [Reliance College]	2021 – Expected end(2025 Dec) Kathmandu, Nepal
Higher Secondary Education, [Reliance Academy]	2017 – 2019 Kathmandu
SEE, [Kailash Bodhi Sec. School]	2017 Kathmandu

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 missing, the platform intelligently generates them.

Tech Stack - Python, Docker, Gemini 2.0 Flash

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 link - <https://cp.certmetrics.com/amazon/en/public/verify/credential/67ace41c71df40bebb13a9dd8617f37e>

References

Available upon request

