AAYUSH ADHIKARI

DevOps engineer

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○ github.com/Aayush786-21   in aayush-adhikari786-2001m

Profile summary

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

Work Experience

Part-time DevOps and Cloud Engineer, *[Sb Global Venture]*   11/2025 – Present
    Thamel, KTM
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.

DevOps Engineer, *[saharamind]*   08/2025 – Present
    Boudha, KTM
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. I also manage Nginx, SSL, and domain routing while maintaining compliance, performance, and high availability across all environments.

DevOps, *[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, utilizing tools like Docker, Nginx, and Git for version control. Gained practical experiences in CI/CD, server configuration, and DevOps best practices.

AWS Apprenticeship, *[Adex International]*   11/2024 – 02/2025
    Maharajgunj. KTM
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.

Audio Visual- IT, *[Nepal Medical college]*   2023 – 2024
    Aarubari, KTM
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.

Computer Technician, *[Sagar computer]*   2020 – 2023
    Boudha, KTM
Provided on-site technical support for hardware and software issues, including Windows OS troubleshooting, network problem resolution and data recovery for diverse clients..

Education

Bachelor in Computer Application, *[Reliance College]*   2021 – 2025
    Kathmandu, Nepal

Higher Secondary Education, *[Reliance Academy]*   2017 – 2019
    Kathmandu

SEE, *[Kailash Bodhi Sec. School]*   2017
    Kathmandu

Skills and Abilities

Cloud & AWS
AWS Certified Solutions Architect - Associate; EC2, S3, IAM, VPC, RDS; Cloud Architecture & Best Practices.

Database
Mongodb, MySQL, PostgreSql

DevOps & Automation
CI/CD (Jenkins, GitHub Actions), IaC (Terraform), Configuration Management (Ansible), Python Scripting, Docker compose, Nginx

Monitoring & Logging
Prometheus, Grafana, ELK Stack (basic familiarity)

Containers & Orchestration
Docker, Kubernetes (K8s)

Operating systems
Linux(Ubuntu, macOS), Bash Scripting

Technical Proficiencies
System Troubleshooting, Network Diagnostics, IT Support, Cloud Troubleshooting.

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
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