

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

Part-time Cloud Engineer, SB Global Venture Pvt. Ltd. 	11/2025 – Present Thamel, Ktm
<ul style="list-style-type: none">• 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 – Present Ekantakuna, Lalitpur
<ul style="list-style-type: none">• 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, Saharamind 	08/2025 – Present Boudha, Ktm
<ul style="list-style-type: none">• 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• Automated configuration management with Ansible• Built and maintained CI/CD pipelines using Github Action• Delivered fully automated provisioning and deployment workflows	
DevOps Engineer Intern, Mindrisertech 	02/2024 – 08/2025 Putalisadak, Ktm
<ul style="list-style-type: none">• 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	

AWS Apprenticeship , <i>Adex International</i> <ul style="list-style-type: none">• 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)	11/2024 – 02/2025 Ekantakuna, Lalitpur
Audio Visual – IT Support , <i>Nepal Medical College</i> <ul style="list-style-type: none">• 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	10/2023 – 07/2024 Aarubari, Kathmandu
Computer Technician , <i>Sagar Computer</i> <ul style="list-style-type: none">• 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	08/2020 – 09/2023 Boudha, Kathmandu

EDUCATION


Bachelor in Computer Application (BCA) , <i>Reliance College</i> 	2021 – 2025 Kathmandu
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SKILLS & ABILITIES

Cloud & Infrastructure <ul style="list-style-type: none">• AWS (EC2, S3, IAM, VPC, RDS)• Cloud Architecture & Tool Practices• AWS Certified Solutions Architect – Associate	Version Control Git, Github
Containerization & Orchestration <ul style="list-style-type: none">• Docker, Docker Compose• Kubernetes (K8s), AWS EKS	Workflow Automation <ul style="list-style-type: none">• CI/CD: Jenkins, Github Actions, AWS CodePipeline• Infrastructure as Code: Terraform• Configuration Management: Ansible• Python scripting
Monitoring & Logging <ul style="list-style-type: none">• Prometheus, Grafana• ELK stack (basic familiarity)	Databases MongoDB, MySQL, PostgreSQL
Operating Systems Linux, macOS	


PROJECTS

TERRA-BUD , <i>Terraform Cost Estimation Platform</i> [terrabud.site] <ul style="list-style-type: none">• 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
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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

Yaman Shakya, *Senior DevOps Engineer*, Adex International
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