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

Audio Visual- IT, *Nepal Medical medical college*   2023 – 2024
Managed 20+ computers with 99% uptime, troubleshooting hardware, software,   Aarubari, KTM
and network connectivity issues to ensure operational uptime for critical medical
college functions. Implemented preventative maintenance.

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

Education

Bachelor in Computer Application, *Reliance College*   ongoing (last semester)
                                                                              Kathmandu, Nepal

Higher Secondary Education, *Reliance Academy*   2019
                                                                                      Kathmandu

SEE, *Kailash Bodhi Sec. School*   2017
                                                                                      Kathmandu

Skills and Abilities

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

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

Containers & Orchestration
Docker, Kubernetes (K8s).

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

Database
Mongodb, MySQL

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

Operating systems
Linux (Ubuntu, macOS), Bash Scripting

Version Control
Git, Github

Projects

DevOps Butler (on-going), *A Vercel-like web application that allows users to deploy projects by either providing repository access or uploading a zip folder. It automatically builds and deploys the project using Docker or Kubernetes based on user preference. If necessary configuration files (like Dockerfile or manifests) are missing, the platform intelligently generates them.*
Tech Stack - Python, Bruno, Docker, Kubernetes
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 ⧉

QRDANCE, *A QR-based attendance system built for easy student check-ins. Generates and scans unique QR codes to track presence, ensuring a secure and streamlined attendance process.*
Tech Stack - Python(flask) , Sqlite
https://github.com/Aayush786-21/damn_project.git ⧉

Leo Downloader, *A YouTube video downloader application built with Python and PyQt5. Features a user-friendly GUI that allows users to download videos by simply entering the video URL.*
Tech Stack - Python, PyQt5
https://github.com/Aayush786-21/leo_downloader.git ⧉

GoogleSheet Task Processor, *A Python automation tool that reads data from a Google Sheet, performs calculations, and updates the sheet with computed results. Designed to simplify repetitive spreadsheet tasks.*
Tech Stack - Googlesheet, Python (automation using 'os'-module)
https://github.com/Aayush786-21/spreadsheet_connectivity.git ⧉

Certifications

- AWS - Solution architect associate link -
  https://cp.certmetrics.com/amazon/en/public/verify/credential/67ace41c71df40bebb13a9dd8617f3e

References

Upon request