



Shashwat Aryal

Cloud & DevOps | AWS • Terraform • Docker • Linux

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SUMMARY

BSc CSIT student building a career in Cloud & DevOps through hands-on AWS, Linux, Docker, and Terraform projects. Experienced in deploying containerized applications on AWS and provisioning cloud infrastructure with Terraform. Currently building a cloud-native project to develop practical skills in CI/CD, Kubernetes, monitoring, and cloud security.

TECHNICAL SKILLS

Cloud: AWS (EC2, ECR, IAM, VPC), Cloud Security

Infrastructure as Code: Terraform, Terraform State

Containers & CI/CD: Docker, Docker Compose, GitHub Actions (learning), Kubernetes (learning)

Monitoring: Prometheus (learning), Grafana (learning)

Linux & Networking: Ubuntu Linux, Bash, SSH, Linux Administration, Networking, Nginx, Reverse Proxy

Development & Tools: Git, GitHub, C#, ASP.NET Core MVC, Entity Framework Core, .NET, SQL Server

CLOUD & DEVOPS PROJECTS

Cloud-Native DevOps Platform | *In Progress*

github.com/sassy-on-cloud/cloud-native-devops-platform

- Currently building a cloud-native project integrating AWS, Terraform, GitHub Actions CI/CD, Docker, Kubernetes, Prometheus, Grafana, and security practices.
- Implementing automated build, test, containerization, and deployment workflows while applying infrastructure-as-code, monitoring/observability, IAM, and network security practices.

Terraform AWS Infrastructure

github.com/sassy-on-cloud/terraform-aws-infrastructure

- Provisioned a reproducible AWS environment — VPC, public subnet, Internet Gateway, route table, security group, and EC2 — entirely with Terraform.
- Applied the Terraform lifecycle (init, validate, plan, apply, state inspection, and destroy) using least-privilege IAM and SSH restricted to a single administrator IP.

ProductHub — AWS Cloud Deployment

github.com/sassy-on-cloud/producthub-aws-deployment

- Deployed an ASP.NET Core MVC + SQL Server application on AWS EC2 using Docker Compose, Amazon ECR, IAM, and Nginx as a reverse proxy.
- Configured persistent Docker volumes and environment-based settings; verified application functionality, database persistence, and container restart recovery.

Linux Server Administration

github.com/sassy-on-cloud/linux-server-administration

- Administered Ubuntu Linux with users/groups, file permissions, SSH, networking, and service management.
- Deployed an Nginx web server and documented the configuration and implementation.

EDUCATION

Institute of Science and Technology (IOST), Tribhuvan University

Bachelor of Science in Computer Science and Information Technology

Expected 2028

Uniglobe SS/College

Higher Secondary Education (+2), Biology

2023

EXPERIENCE

Mathematics Tutor — New Era IT & Educational Consultancy

Feb 2026 – Apr 2026

- Delivered Grade 12 mathematics instruction to individual and small-group students, strengthening structured explanation and communication skills.

Data Entry Clerk — RAPTI FASHION

Jun 2024 – Sep 2024

- Maintained accurate organizational data and supported data-entry workflows with a focus on accuracy, efficiency, and error reduction.

CERTIFICATION

AWS Cloud Quest: Cloud Practitioner — Amazon Web Services (AWS)

Credential: [Credly Badge](#)