# Amogh Goswami

DevOps Engineer | B.Tech in Information Technology
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## Professional Summary

Aspiring DevOps Engineer with hands-on experience in Linux, AWS, Terraform, Docker, Git, Kubernetes, and Python. Skilled in automating cloud infrastructure, containerizing applications, and deploying scalable systems. Eager to contribute to real-world DevOps environments through reliable and efficient practices.

## Experience

**DevOps Engineer Intern**
**Hisanlab Pvt. Ltd.**
**Sep 2024 – Present**

**Summary:**
Hands-on DevOps internship with 11+ months of experience in designing, automating, and managing scalable, cloud-native infrastructure and CI/CD pipelines. Worked across AWS environments using modern DevOps tools, cloud platforms, and best practices.

**Key Responsibilities:**

- Provisioned and managed AWS services including EC2, VPC, S3, IAM, RDS, Lambda, Route 53, CloudWatch, SNS, ELB, ASG, and CloudFormation.
- Designed secure and scalable VPC architectures using public/private subnets, NAT gateways, internet gateways, and custom route tables.
- Built and maintained Jenkins CI/CD pipelines integrated with Git, Maven, SonarQube, and Docker for automated testing, building, and deployments.
- Containerized applications using Docker and deployed them on Kubernetes using Helm charts and YAML manifests for service orchestration.
- Configured Nginx as a reverse proxy and load balancer to manage incoming traffic for microservices and containerized apps.
- Deployed Java-based applications on Apache Tomcat in test and staging environments.
- Authored Infrastructure as Code (IaC) using Terraform, creating reusable modules and managing remote backends with state locking.
- Managed IAM policies, roles, groups, and service permissions to enforce least-privilege access and secure cloud operations.
- Monitored infrastructure and application health using AWS CloudWatch and Datadog; configured alarms and notifications via SNS.
- Wrote Bash scripts to automate system administration tasks like log rotation, backup scheduling, and resource health checks.
- Followed Git workflows with GitHub for version control, code reviews, branching strategies, and pull requests.
- Participated in Agile practices including sprint planning, daily standups, retrospectives, and team documentation.
- Collaborated with development teams to troubleshoot CI/CD pipeline failures and optimize build performance.
- Documented infrastructure setup, DevOps workflows, and deployment runbooks to support knowledge sharing.
- Assisted in server patching, routine maintenance, and Linux system administration tasks to ensure high availability.

**Tools & Technologies:**

AWS (EC2, VPC, S3, IAM, RDS, Lambda, Route 53, CloudWatch, SNS, ELB, ASG, CloudFormation), Docker, Kubernetes (YAML, Helm), Git, GitHub, Jenkins (CI/CD), Maven, SonarQube, Nginx, Apache Tomcat, Terraform (IaC), Bash, Datadog, Linux (Ubuntu)

## Technical Skills

- Languages: Python (Basic), Bash
- Cloud: AWS (EC2, S3, RDS, IAM, VPC, CloudFront, CloudWatch, Lambda, Route 53, SNS)
- DevOps Tools: Terraform, Docker, Git, Kubernetes
- Operating Systems: Linux (Ubuntu, RHEL – user management, services, permissions)
- Databases: PostgreSQL, MySQL
- Networking: OSI Model, TCP/IP, Subnetting, IP Addressing

## Education

**Bachelor of Technology (B.Tech)** – Information Technology
Dr. Babasaheb Ambedkar Technological University, Lonere
2021 – 2024

**Diploma** – Computer Science Engineering
Gramin Polytechnic College, Vishnupur, Nanded
2016 – 2021

## Certifications

- Getting Started with Data Analytics on AWS – Nov 2023
- The Complete SQL Bootcamp – Nov 2023
- Data Analysis with Python – Apr 2023