

Amogh Goswami

DevOps & Cloud Engineer | B.Tech in Information Technology

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Professional Summary

Detail-oriented DevOps and Cloud Engineer with 10+ months of hands-on experience in automating AWS infrastructure, building scalable CI/CD pipelines, and deploying containerized applications with Docker and Kubernetes. Proven ability to improve deployment speed, system uptime, and collaboration using modern DevOps tools. Ready to deliver secure, cost-efficient cloud solutions in fast-paced environments.

Technical Skills

- **Cloud/DevOps Tools:** AWS (EC2, VPC, S3, IAM, RDS, Lambda, CloudFormation), Docker, Kubernetes (Helm, YAML), Terraform, Jenkins, GitHub Actions, Maven, SonarQube
 - **Programming/Scripting:** Python, Bash
 - **Monitoring:** Datadog, CloudWatch, SNS
 - **OS/Networking:** Linux (Ubuntu, RHEL), Nginx, Apache Tomcat, OSI Model, TCP/IP, Subnetting
 - **Databases:** PostgreSQL, MySQL
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Key Projects & Achievements

- **Cloud Infrastructure Migration Project**
Personal Project | 2025
 - Planned and executed migration of a web application from on-premise servers to AWS Cloud using EC2, S3, RDS, IAM, and VPC for scalable architecture.
 - Containerized applications with Docker and orchestrated deployment on Kubernetes clusters.
 - Automated infrastructure provisioning using Terraform (IaC), improving reproducibility and reducing manual setup.
 - Implemented secure networking, monitoring (CloudWatch), and IAM permission management.
 - Designed CI/CD pipelines with Jenkins for seamless build, test, and deployment.
 - Documented migration strategy, architecture decisions, and lessons learned for future reference.
 - **Automated AWS Infrastructure:** Designed and deployed cloud-native architectures using Terraform (IaC), reducing manual provisioning time by 60%.
 - **CI/CD Pipeline Implementation:** Built and optimized Jenkins pipelines integrated with Git/Maven/Docker, cutting deployment time by 40% and increasing release frequency.
 - **Container Orchestration:** Containerized legacy apps and migrated to Kubernetes clusters using Helm, improving application scalability and uptime by 30%.
 - **Security Access Management:** Implemented least-privilege IAM policies and secure VPC configurations, enhancing cloud security compliance.
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Professional Experience

DevOps Engineer Intern

Hisanlab Pvt. Ltd. | Dec 2024 – Present

- Provisioned/managed AWS resources: EC2, VPC, S3, IAM, RDS, Lambda, CloudWatch, SNS, ELB, ASG, CloudFormation
 - Engineered secure AWS VPC setups with multi-subnet architectures and custom route tables
 - Developed and maintained Jenkins-based CI/CD for automated builds, tests, deployments
 - Deployed containerized microservices applications on Kubernetes using Helm charts
 - Configured Nginx as reverse proxy/load balancer to improve system availability
 - Created reusable Terraform modules and managed remote state with locking
 - Authored Bash scripts for routine admin, log rotation, and health checks
 - Enforced secure IAM policies and monitored resources via Datadog and CloudWatch
 - Collaborated with Agile teams on sprint planning, troubleshooting, and documentation
 - Automated routine infrastructure maintenance tasks, reducing manual intervention by 20+ hours/month.
 - Enhanced system monitoring and alerting, decreasing incident response time by 30%.
 - Supported the migration of legacy applications, ensuring zero production downtime and data integrity.
 - Optimized resource allocation, resulting in a 15% reduction in monthly cloud expenditure.
 - Coordinated cross-functional troubleshooting for CI/CD failures, improving deployment reliability.
 - Documented DevOps best practices and created onboarding guides for new team members.
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Education

- B.Tech – Information Technology, Dr. Babasaheb Ambedkar Technological University, 2021–2024
 - Diploma – Computer Science Engineering, Gramin Polytechnic College, 2016–2021
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Certifications

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