

GAGAN BISWAS

Cloud DevOps Engineer

Kolkata, West Bengal 700121

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Professional Summary

Cloud DevOps Engineer with a completed B.Tech in Computer Science Engineering (AI ML), with hands-on experience in AWS, Linux, Git, Docker, Terraform, and GitHub Actions. Experienced in application deployment, containerized environments, CI/CD automation, version control, Infrastructure as Code, and cloud deployments. Built production-style projects involving Docker-based application deployment, automated CI/CD workflows, AWS infrastructure, and secure cloud environments. Familiar with troubleshooting deployment and configuration issues and maintaining reliable development environments.

Technical Skills

Cloud: AWS (EC2, VPC, IAM, S3, CloudFront, Route 53, ACM, CloudWatch)

DevOps: Git, GitHub, GitHub Actions, CI/CD, Docker, AWS CLI, Linux Administration, Application Deployment, Deployment Automation

Infrastructure as Code: Terraform, AWS CloudFormation (Basics)

Containers Orchestration: Docker, Docker Compose, Kubernetes, Amazon EKS

Programming: Python, Bash, YAML, REST APIs

Monitoring: CloudWatch, Prometheus, Grafana, Loki

Networking Security: VPC, DNS, HTTP/HTTPS, TLS/SSL, Security Groups, IAM, OIDC, Least Privilege

Projects

AWS Static Portfolio Website – CI/CD Global CDN

GitHub — Live Demo

AWS S3, CloudFront, Route 53, ACM, IAM, GitHub Actions, OIDC

- Designed and deployed a serverless static website using Amazon S3, CloudFront, Route 53, and ACM with a custom HTTPS domain.
- Built GitHub Actions CI/CD automation to deploy website updates to AWS after Git pushes.
- Implemented OIDC authentication between GitHub Actions and AWS IAM, eliminating long-lived AWS credentials.
- Configured CloudFront caching, compression, cache invalidation, DNS routing, and SSL/TLS for secure content delivery.

Production-Ready AWS Infrastructure – Terraform, Docker CI/CD

GitHub

AWS EC2, VPC, IAM, Terraform, Docker, GitHub Actions, Ubuntu Linux, Python Flask

- Provisioned AWS infrastructure using Terraform, including VPC, public subnet, Internet Gateway, route tables, security groups, and EC2.
- Developed and containerized a Python Flask REST API using Docker and deployed the application on an AWS EC2 Linux environment.
- Built and maintained GitHub Actions CI/CD workflows to build Docker images and publish them to Docker Hub for automated application delivery.
- Administered the Linux server using SSH, package management, Docker, firewall configuration, and application deployment.
- Investigated deployment and configuration issues while troubleshooting containerized application environments and deployment workflows.
- Applied IAM roles, security groups, network isolation, and Infrastructure as Code practices for repeatable deployments.

Education

Bachelor of Technology – Computer Science Engineering (AI ML)

2022–2026

Brainware University, Kolkata

CGPA: 9.38

Senior Secondary (Class XII)

Army Public School, Barrackpore

2022

85.33%

Secondary (Class X)

Army Public School, Barrackpore

2020

86.88%

Certifications

- AWS Certified Solutions Architect – Associate
- HashiCorp Certified: Terraform Associate
- Certified Kubernetes Administrator (CKA)

Expected Oct 2026

Expected Nov 2026

Expected Dec 2026

Languages

English, Hindi, Bengali