

BISWAJIT SAHOO

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Location: Bhubaneswar, Odisha (Open to Relocation)

Professional Summary

Cloud Engineer with hands-on experience deploying and operating AWS infrastructure using Terraform, Python (Boto3), and Linux. Skilled in EC2, IAM, VPC, EBS snapshots, CloudWatch monitoring, cost optimization, and infrastructure as code. Built automated backup and lifecycle management workflows and multi-tier AWS architectures. Focus: Building secure, scalable, and highly available cloud systems.

Technical Skills

Cloud (AWS): EC2, IAM, VPC, S3, RDS, EBS, CloudWatch, CloudFront, Route 53, Lambda

Infrastructure as Code: Terraform, AWS CloudFormation

Automation & Scripting: Python (Boto3), Bash/Shell

CI/CD & DevOps Tools: Git, GitHub, GitHub Actions, Jenkins (basic)

Containers: Docker (basic), Kubernetes / EKS (foundational knowledge)

Operating Systems: Linux (Ubuntu), Windows Server

Strong problem-solving, analytical, and debugging skills

PROJECTS

Cost-Optimized Static Website Hosting

S3 + CloudFront + Route 53

- Deployed secure static hosting on S3 with CDN using CloudFront.
- Automated deployment via GitHub Actions → S3 → CloudFront Invalidation.
- **Achieved** ~80% cost reduction compared to EC2 hosting and enhanced global performance.

Github Repo : github.com/Xcode83/Cost-Optimized-Static-Website

Automated EC2 Backup & Snapshot Cleanup

Lambda + Boto3 + SNS

- Built daily automated EBS backup system using Lambda & Python (Boto3).
- Implemented snapshot lifecycle management to automatically delete redundant backups.
- Result: Reduced storage cost by ~35% & saved manual maintenance time.

Github Repo : github.com/Xcode83/Automated-EC2-Backup-Snapshot-Cleanup

Secure Multi-Tier Web Application in AWS VPC

Terraform + EC2 + RDS

- Designed 3-tier VPC with Public, Private App & DB subnets using Terraform.
- Deployed app on EC2 with RDS MySQL and Bastion host for secure admin access.
- Configured CloudWatch for real-time monitoring and automated alerting.

Github Repo : github.com/Xcode83/Secure-Multi-Tier-Web-Application-in-AWS-VPC

Education

Bachelor of Technology in Computer Science & Engineering

Raajdhani Engineering College

CGPA: 8.0/10

(Lateral Entry)

Sept 2022 – July 2025

Bhubaneswar, Odisha

Diploma in Mechanical Engineering

Raajdhani Engineering College | 78%

Sept 2019 – July 2022

Bhubaneswar, Odisha

10th Central Board of Secondary Education

St Xavier High School

2019

Bhubaneswar, Odisha