

Soumya Deb Roy

DevOps and Cloud Engineer

[LinkedIn](#)

✉ soumyadebroy3@gmail.com

☎ +91 8617290656

Self-motivated AWS Cloud Engineer with 3 years of IT experience specializing in AWS infrastructure management and optimization. Expertise in deploying and managing cloud services across IaaS, PaaS, and SaaS models, with strong proficiency in Linux administration, DevOps automation, and Infrastructure as Code using Terraform and Ansible. Proven track record in implementing cost-optimization initiatives, deploying containerized microservices with AWS ECS, and building automated solutions including AWS Auto Start/Stop V2 for VM lifecycle management. Adept at rapidly adapting to new technologies and taking initiative on challenging projects while maintaining focus on security, scalability, and operational excellence.

Technical Skills

Cloud Technologies	AWS(Advanced), Azure and GCP
Build Tools	maven
Container Technologies	Docker, ECS, Azure container apps
Scripting	Bash
Version Control System	Git, Azure Devops, AWS Codecommit
Configuration Management	Ansible
Infrastructure as Code	Terraform
CI/CD	GitHub Actions, AWS codepipeline, Azure Devops
Databases	MySQL, PostgreSQL, AWS RDS, AWS Redshift
Networking	VPC, Site-to-Site VPN, IPsec Tunnels, Route53
Monitoring	AWS CloudWatch, NewRelic
Storage	S3, EBS, SAN, NAS, FTP, NFS, Samba

Professional Summary

Channelplay SaaS Pvt Ltd, Kolkata — *Senior Cloud Engineer*

Jan 2022 - PRESENT

- Streamlined CI/CD pipeline for Java-based applications using Maven and AWS CodePipeline, reducing build and deployment times by 40%
- Containerized microservices architecture applications for 2 development teams, deploying with ECS and Application Load Balancer
- Managed AWS IaaS, PaaS, and SaaS services including EC2, VPC, Network Security Groups, S3, EBS, and storage solutions (SAN, NAS, FTP, NFS, Samba)
- Configured and managed BI tools including Qlik, Nprinting, and QuickSight for data analytics workloads
- Implemented cost optimization strategies for AWS environment, achieving 40% reduction in annual cloud expenditure
- Configured Site-to-Site VPN connection to on-premises infrastructure and maintained IPsec tunnels for secure connectivity
- Deployed and managed MySQL and PostgreSQL master-slave instances (single and multiple slave configurations)
- Performed manual and automated patching of Linux servers using AWS Patch Manager
- Implemented active-active load balancer for high availability and optimized traffic distribution across multiple servers
- Deployed and managed multiple projects in Jenkins, streamlining continuous integration and delivery pipelines
- Managed multiple Tomcat instances on Linux for Java application hosting
- Deployed Multi-AZ RDS solution for enhanced database availability and disaster recovery
- Managed AWS Redshift data warehouse for business analytics
- Migrated servers across different AWS regions and from AWS to Azure cloud platforms
- Configured complete BCP plans with Terraform, automating server deployment to designated zones upon zone failure
- Deployed static and dynamic web hosting through Apache, CloudFront with S3 origin
- Configured and monitored alerts for resources using AWS CloudWatch
- Managed AWS Backups and lifecycle policies for data retention and compliance
- Configured Route53 DNS and hosted zones, godaddy for domain management

EDUCATION

Heritage Institute Of Technology — *B.tech*

Sep 2019 - July 2022

Computer Science

The Calcutta Technical School — *Diploma*

Aug 2016 - July 2019

Computer Science

Shyamnagar Kantichandra High School — *Higher Secondary*

May 2014 - Mar 2016

PHYS, CHEM, MATH, BIO

HIGHLIGHTS

- Received the ACE Award for achieving a 40% reduction in annual costs through effective cost optimization for the client.
- Received the ACE Award for migrating whole infra from AWS to Azure with tight timeline
- Received client appreciation for timely support during critical incidents.