

# ABHIGYAN SANYAL

## DevOps Engineer

Highly motivated DevOps Engineer with expertise in AWS, Infrastructure as Code (IaC), Kubernetes, CI/CD, and cloud security. Proven experience in cost optimization, disaster recovery, and deploying scalable architectures. Passionate about automating cloud workflows and implementing security best practices.

### CONTACT DETAILS

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### SKILLS AND ABILITIES

- Cloud & Platforms: AWS
- OS & Administration: Linux (File System, Access Management, Troubleshooting)
- Compute & Networking: EC2, ECS, EKS, Lambda, ALB, NLB, Route 53, VPC
- Storage & Databases: S3, RDS, DynamoDB, EBS
- Security & Compliance: IAM, WAF, Security Hub, GuardDuty, AWS Backup, SFTP (AWS Transfer Family)
- Monitoring & Logging: CloudWatch, CloudTrail, AWS Config, Datadog, Grafana
- DevOps & Automation: CloudFormation, Terraform, AWS CLI, SSM
- Messaging & API Management: SQS, SNS, EventBridge, CloudFront, API Gateway
- CI/CD & Containers: GitHub Actions, Jenkins, Docker, Kubernetes (EKS, Helm)
- Scripting & Automation: Bash, Python (AWS automation)
- Security & Disaster Recovery: IAM, RBAC, PoLP, RDS Multi-AZ, Cross-Region Replication, Auto Scaling, Warm Standby, Secure File Transfer (SFTP, OpenSSH, IAM Policies)
- Troubleshooting & Debugging: AWS CLI, Docker, kubectl, Linux, GuardDuty, Security Hub, SentinelOne
- Collaboration & Communication: Cross-functional teamwork, clear documentation, and strong communication skills

### Certifications

AWS Certified Solutions Architect - Associate ( July 2024 - July 2027 )  
AWS Certified Developer - Associate (Dec 2021 - Dec 2024)

### ACADEMIC PROFILE

#### Ramaiah University of Applied Sciences

B-Tech in Computer Science & Engineering, Class of 2021

### OTHER SKILLS

I am multilingual and can speak natively in Bengali, with a professional proficiency in English, Hindi & Odia. I am also an avid reader, writer and like to fancy myself as a photographer.

### EMPLOYMENT HISTORY

#### DevOps Engineer 2

Flexiloans, Sep 2023 - Present

- Automated and managed 15+ daily production deployments using GitHub Actions & Jenkins, reducing manual intervention by 80% while enabling quick rollbacks in a fast-paced CI/CD environment.
- Designed and maintained a resilient AWS-based infrastructure, ensuring high availability, scalability, and security, while leveraging open-source tools for cost efficiency.
- Implemented Infrastructure as Code (IaC) using Terraform and CloudFormation, automating AWS resource provisioning and reducing configuration drift.
- Enforced security best practices, including principle of least privilege (PoLP), RBAC, vulnerability management, encryption, and security automation, enhancing cloud security posture.
- Proactively mitigated critical vulnerabilities using CloudWatch, GuardDuty, Security Hub, and SentinelOne, strengthening threat detection and incident response.
- Achieved 68% monthly cost reduction (~\$3,000/month) through AWS cost optimization strategies while maintaining system reliability.
- Engineered a warm standby Disaster Recovery (DR) setup across AWS regions (ap-south-1 to ap-south-2), achieving an RTO under 20 minutes by automating failover and replication with Route 53, RDS Cross-Region Replicas, S3 Cross-Region Replication, AWS Backups, and Lambda.
- Designed and deployed a secure file-sharing system using an SFTP tunnel, enabling secure data exchange between internal teams and external vendors while ensuring compliance.
- Automated SFTP access management and logging using AWS Transfer Family, IAM roles, and CloudWatch Logs, improving security, auditability, and operational efficiency.

#### Senior Software Engineer

Capgemini, Aug 2021 – Sep 2023

- Designed, built, and maintained scalable & fault-tolerant AWS infrastructure for multiple client projects.
- Implemented Infrastructure as Code (IaC) using Terraform, ensuring automated and consistent resource provisioning.
- Developed CI/CD pipelines using Jenkins, reducing deployment time by 50%.
- Optimized application performance and scalability in a high-availability environment.
- Implemented centralized logging & monitoring (CloudWatch, Datadog, Grafana), enabling proactive issue detection and resolution.
- Ensured compliance with security best practices, enforcing IAM roles and security groups for improved security.
- Conducted system audits & performance testing, identifying bottlenecks and implementing optimization strategies.
- Led on-call rotations for 24/7 operational support, ensuring rapid incident resolution for critical cloud infrastructure.