

Job Description: Senior CI/CD & Cloud Operations Engineer (AWS)

Location: Kolkata On-site

Seniority: Senior (Individual Contributor; expected to lead by influence)

Team: Platform / Cloud Engineering / DevOps

Role Type: Full-time

Role Summary

We are looking for a **Senior CI/CD & Cloud Operations Engineer** to own and continuously improve our **AWS-based deployment and runtime operations**. You will design and run **reliable CI/CD pipelines**, provision and maintain multiple environments (Dev/QA/Staging/Prod), set up **monitoring and alerting aligned to SLI/SLO/SLA**, and drive **production support, backups, and disaster recovery (BCM/DR)**. This is a core role that directly impacts delivery speed, uptime, and platform stability.

Key Responsibilities

CI/CD & Release Engineering

- Build, operate, and improve CI/CD pipelines for build, test, security scanning, artifact management, and deployment.
- Standardize release processes (versioning, approvals, rollbacks, blue/green or canary where applicable).
- Implement deployment automation for microservices and/or monoliths, APIs, jobs, and infrastructure components.

AWS Environment Provisioning & Platform Operations

- Provision and maintain AWS environments across Dev/QA/Staging/Prod using Infrastructure-as-Code and automation.
- Own environment lifecycle: account/project structure, networking basics, IAM best practices, secrets management patterns.
- Ensure consistent configuration across environments (config drift control, tagging, cost visibility).

Observability, SLO/SLA Operations

- Implement monitoring and alerting using **Datadog and/or AWS native tools** (CloudWatch, X-Ray, etc.).
- Define and track SLIs/SLOs (availability, latency, error rates, throughput) and operate incident response aligned to SLAs.
- Build dashboards, runbooks, on-call playbooks, and post-incident review processes (RCA, corrective actions).

24/7 Support, Backups, BCM/DR

- Participate in and help mature **24/7 production support** and incident management.
- Own database backup strategies, restore drills, retention policies, and access controls.

- Design and test BCM/DR plans: RTO/RPO definition, DR drills, failover processes, and documentation.

Security & Compliance (DevSecOps)

- Integrate security checks into pipelines (SAST/DAST/dependency scanning, secrets scanning).
 - Implement least privilege and audit-friendly practices for deployments and production operations.
 - Work closely with engineering to harden services and reduce operational risk.
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Must Have

- **Strong hands-on AWS experience** operating production workloads (compute, networking basics, IAM, monitoring).
 - **Proven CI/CD ownership**: ability to build and maintain end-to-end pipelines and automated deployments.
 - **Infrastructure as Code** experience (Terraform preferred; CloudFormation acceptable) and environment automation.
 - Production-grade **observability** experience with **Datadog and/or AWS CloudWatch** (alerts, dashboards, metrics/logs/traces).
 - Experience in **incident management** and operating against **SLAs/SLOs** (on-call, triage, RCA, remediation).
 - Hands-on experience with **backup/restore** practices for databases and systems, and **DR/BCM** planning and drills.
 - Strong Linux + scripting skills (Bash/Python) and ability to debug issues across app + infra layers.
 - Ability to work with developers to improve deployment reliability and operational readiness.
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Should Have

- Containerization and orchestration exposure (Docker; ECS/EKS/Kubernetes familiarity is a plus).
- Experience implementing **blue/green, canary deployments**, feature flags, and automated rollback strategies.
- Experience with secrets management (AWS Secrets Manager / Parameter Store) and secure CI/CD patterns.
- Working knowledge of **application performance monitoring (APM)**, distributed tracing, and log aggregation.
- Experience defining operational standards: runbooks, SRE-style practices, error budgets, reliability reviews.

- Cost optimization awareness in AWS (tagging, budgets, rightsizing, unused resource cleanup).
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Nice to Have

- Experience with GitLab CI, Jenkins, GitHub Actions, or similar (any one is fine if concepts are strong).
 - Experience with Datadog advanced features (synthetics, RUM, APM service maps) or equivalent tooling.
 - Exposure to regulated environments, audit readiness, and security compliance practices.
 - Experience supporting multi-tenant or customer-facing SaaS platforms.
 - Prior experience setting up centralized logging/metrics/tracing standards across teams.
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Experience & Qualification

- 6–10+ years of relevant experience in DevOps / CI/CD / Cloud Ops / SRE roles (flexible for strong candidates).
- Bachelor's degree in Engineering/CS (or equivalent practical experience).

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How to Apply

Please share your resume and (if available) one or more of the following:

- (a) a link or short summary of a CI/CD / cloud operations capability you built (pipelines, IaC, observability, on-call runbooks),
- (b) a brief incident/postmortem or reliability improvement you led (SLOs, alerting, MTTR reduction), or
- (c) a short write-up explaining a technical trade-off you made (speed vs safety, availability vs cost, RTO/RPO vs complexity).