

Job Description: Senior Java Developer (AWS REST APIs)

Location: Kolkata On-site

Seniority: Senior (IC; expected to mentor and drive design quality)

Team: Backend Engineering / Platform Services

Role Type: Full-time

Role Summary

We are hiring a **Senior Java Developer** to build and operate **secure, scalable REST APIs on AWS**. You will design and implement backend services, integrate with **API Gateway**, implement **API key management and access controls**, and ensure robust **logging/monitoring**. You'll work closely with cloud/platform engineers on **cloud architecture**, and deploy services on **Kubernetes (EKS)** and/or **AWS Lambda** depending on workload patterns.

Key Responsibilities

- Design and develop **RESTful APIs** in Java (clean architecture, scalable patterns, strong test coverage).
 - Implement and maintain **AWS API Gateway** integrations (routing, throttling/quotas, request/response mapping where needed).
 - Implement **API access control** mechanisms including **API keys**, usage plans, rate limiting, and secure client onboarding.
 - Build production-grade **logging and observability** for APIs (structured logs, correlation IDs, metrics, tracing where applicable).
 - Develop cloud-ready services deployed on **Kubernetes (EKS)** and/or **AWS Lambda**; manage configs and secrets securely.
 - Contribute to **cloud architecture**: service decomposition, scalability, resilience, and cost-aware design decisions.
 - Write and maintain automated tests (unit/integration) and support CI/CD-driven releases.
 - Collaborate with Product/QA/DevOps to deliver features reliably and support production issues with strong RCA discipline.
 - Document API contracts (OpenAPI/Swagger), versioning strategy, and operational runbooks.
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Must Have

- Strong hands-on experience in **Java** (preferably Java 11+), with solid backend engineering fundamentals.
- Proven experience building **REST APIs** in Java (Spring Boot or similar frameworks).
- Hands-on AWS experience with:
 - **API Gateway** (REST/HTTP APIs), request routing, throttling, usage plans

- **API key management** and secure exposure of APIs to external/internal consumers
 - Experience with **logging/monitoring** practices for production APIs (structured logs, dashboards, alerts; CloudWatch/Datadog/ELK etc.).
 - Deployment experience in at least one of:
 - **Kubernetes** (ideally EKS) *or*
 - **AWS Lambda** (serverless patterns, cold start awareness, event-driven design)
 - Good understanding of **cloud architecture concepts**: scalability, high availability, fault tolerance, security, and cost considerations.
 - Strong SQL/DB fundamentals and experience integrating services with databases (any mainstream RDBMS acceptable).
 - Solid engineering hygiene: code reviews, automated testing, clean code, and documentation.
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Should Have

- Experience with **authentication/authorization** patterns (OAuth2/JWT, Cognito, custom auth, mTLS) and API security best practices.
 - Experience with **distributed systems** concepts: idempotency, retries, circuit breakers, rate limiting, caching.
 - Familiarity with AWS components commonly used with APIs (e.g., **Lambda, ECS/EKS, SQS/SNS, DynamoDB/RDS, Secrets Manager, CloudWatch**).
 - Experience defining and publishing **OpenAPI/Swagger** specs and managing **API versioning**.
 - Understanding of **CI/CD pipelines** and release processes (blue/green or canary familiarity is a plus).
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Nice to Have

- Experience with **service mesh** / ingress (Istio/Linkerd, ALB Ingress Controller) in Kubernetes environments.
 - Experience with performance tuning (JVM tuning basics, profiling, load testing).
 - Familiarity with IaC (Terraform/CloudFormation) and GitOps approaches.
 - Experience building **multi-tenant** APIs and usage metering.
 - Exposure to event-driven architecture and streaming (Kafka/Kinesis).
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Experience & Qualification

- Typically **6–10+ years** of backend development experience (flexible for strong candidates).
- Bachelor's degree in Engineering/CS (or equivalent practical experience).

How to Apply

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

- (a) links (GitHub/portfolio) or short summaries of REST APIs/services you built and shipped on AWS (including API Gateway usage, auth/key management, and observability patterns),
- (b) a brief note on a deployment/architecture decision you led (e.g., EKS vs Lambda, throttling/quotas, idempotency, logging/tracing approach), or
- (c) a short write-up explaining a technical trade-off you made (quality vs latency vs cost, or security vs developer velocity).