Eduardo Sesma Rodriguez

Cloud Software Engineer · AWS / Java · Production reliability and releases

Puebla, Mexico (Remote) | +52 222 548 4053 | esesmarod@fastmail.com | linkedin.com/in/esesma | esesma.com

Open to US roles · Mexican citizen, TN-visa eligible (USMCA) · No H-1B sponsorship needed

SUMMARY

Cloud software engineer with 3 years of experience building and operating Java microservices on AWS, currently for an FDA-regulated medical device used internationally. Works across the full path to production: triaging and fixing defects, stabilizing releases and supporting deployments and cutovers. Currently leading a cross-team platform design. AWS Certified Developer – Associate.

EXPERIENCE

Insulet Corporation **Remote, Mexico**

Cloud Engineer *Jan 2024 – Present*

Cloud platform for an FDA-regulated medical device used internationally: 600,000+ users, 50+ microservices, 100+ engineers, team of 10.

Reliability, triage & releases

- Resolved a top-priority release blocker affecting partner data in several EU countries, unblocking regulatory verification of a release.
- Triaged and resolved defects across backend services, investigating with Datadog and CloudWatch logs and alert dashboards. The team cut open bugs by about 90% in one year, resolving most within hours and complex or cross-team ones within two days.
- Fixed timeouts, configuration errors and data-pipeline failures under load testing so QA and verification could finish on schedule.
- Stabilized database version upgrades across multiple services and corrected release configuration for production deployments.
- Supported production deployments and cutovers, including outside business hours.
- Led migration of acceptance tests to containerized, isolated test environments, reducing load on the shared CI/CD pipeline.

Platform features

- Build and maintain Java microservices on AWS end to end, from design and implementation to testing and production release.
- Migrated patient consent and data-sharing policy from MongoDB to the FHIR standard gradually, behind a Split.io feature flag with a planned rollback, keeping the service running and leaving a single source of truth for health-data privacy.
- Moved compatibility enforcement to the API layer with a custom authorizer, private network routing and full audit logging.
- Consolidated device lookup for over-the-air updates onto the core platform service, simplifying multi-product device registration.

Technical leadership

- Leading the design of a cross-team cloud initiative to support multiple regional mobile apps on one shared platform, driving review with architecture, security, SRE, QA and mobile teams before implementation.
- Defined a backward-compatible API strategy so new clients could be added without affecting existing users, and sequenced the work across backend, gateway and operations teams.
- Contribute to microservices owned by other teams when a feature spans them, without disrupting their work.

SKILLS

AWS & IaC: ECS/Fargate, serverless (Lambda, Step Functions, API Gateway), DynamoDB, S3, SNS/SQS, IAM, KMS · Terraform, CloudFormation

CI/CD & quality: Git, GitHub Actions, Jenkins, Bamboo, Bitbucket Pipelines, Docker, Kubernetes, Gradle, feature flags (Split.io) · JUnit, Mockito, Cucumber, Testcontainers, LocalStack · monitoring (Datadog, CloudWatch), Sonar

Backend: Vert.x, RxJava, Spring Boot, REST/OpenAPI, gRPC, FHIR, Kafka, RabbitMQ

Languages: Java, Python, JavaScript/TypeScript, Bash, Kotlin · AI-assisted development (Cursor)

Data: MongoDB, DynamoDB, Redis, PostgreSQL, MySQL

CERTIFICATIONS & LANGUAGES

AWS Certified Developer – Associate · Spanish (native) · English (advanced, daily work language)

EDUCATION

B.S. Computer Systems (Licenciatura en Sistemas Computacionales) — UTEL University Oct 2024

SELECTED PROJECTS

- **Multiplayer server (personal, esesma.com):** A real-time game server I built from scratch in Node.js, live on my site. The server owns the game state; browsers just connect and play.
- **CampSig (personal):** A small product that watches sold-out campsites and alerts you the moment a spot opens up. Java, Spring Boot, Next.js, AWS.