

Marcus Sánchez

AI · AWS · Staff Backend Engineer · Cloud Architect

Distributed Systems

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Staff-level backend engineer with 10+ years building highly concurrent, scalable distributed systems in fintech and high-traffic consumer apps — recently leading first-mover GenAI delivery on Amazon Bedrock (real-time LLM features and batch inference pipelines) at Grindr. Strong AWS foundation, hands-on technical leadership, and a track record of steering cloud architecture from design through production.

SKILLS

Certifications

AWS Solutions Architect — Professional |
AWS Developer — Associate |
Oracle Certified Java Programmer |
Oracle Certified Java Web Component Developer |
Certified SAFe® Practitioner

Languages

Java | Kotlin | Python | TypeScript | PHP | SQL |
Bash | HCL

AI / LLM & LLMOps

Amazon Bedrock | Generative AI |
LLM Batch Inference | Prompt Engineering |
RAG | Vector Databases | LangFuse | LangSmith |
AI Safety & Guardrails

Cloud & Infrastructure

AWS | Azure | Terraform | Kubernetes | EKS |
OpenShift | Docker | DynamoDB | RDS | S3 |
SQS | AWS Pinpoint

Data & Messaging

Kafka | Kafka Streams | Avro | Redis |
PostgreSQL | Solr

Backend & Architecture

Spring | Spring Boot | Quarkus | Microservices |
Reactive Systems | Event-Driven Architecture |
Event Sourcing | SAGA Pattern |
Strangler Pattern | Sidecar Pattern |
Distributed Systems Design | BDD

Mobile Platform Integration

Apple StoreKit | App Store Server Notifications |
Subscription Retention & Cancellation Flow

Observability & Delivery

Grafana | OpenTelemetry | DevSecOps / CI

Leadership

Technical Leadership | Team Coaching |
Cross-functional Collaboration

WORK EXPERIENCE

Dec 2024 - Current

Staff Backend Engineer at Grindr LLC

[🔗 https://grindr.com](https://grindr.com)

Backend Systems | Distributed Systems | AI / LLMs | Amazon Bedrock | AWS | Kotlin | Kafka | DynamoDB | iOS & Android Platform APIs

- Rebuilt the Grid — Grindr's flagship browse experience and highest-traffic surface — migrating core functionality off the legacy stack onto a new system that replaced years of accumulated constraints.
- Shipped Grindr's first user-facing GenAI feature on Amazon Bedrock — owned model selection, prompt engineering, safety guardrails, latency/cost tuning, observability, and rollout end-to-end.
- Designed and shipped the first Bedrock batch-inference pipeline for backend LLM workloads, unlocking cost-efficient large-scale asynchronous AI use cases previously infeasible on per-request pricing.
- Led the in-app rating-prompt overhaul (SKStoreReviewController + Google Play In-App Review APIs, triggered at peak satisfaction moments) — lifted ratings 3.3→4.3 iOS / 3.7→4.5 Play, driving organic install and ranking gains.
- Drove initiatives end-to-end and shaped platform direction in staff-level peer design forums by pressure-testing architectural proposals with other senior/staff engineers.

Jun 2024 - Nov 2024

Technical Lead / Senior Developer at Kin + Carta

Microservices | Java 8 → 21 | Spring | Terraform | Azure

- Served as one of four senior developers on a pilot demonstrating the viability of a broader Azure migration; authored the playbook for client apps.
- Subsequently led a 4-person team migrating a portion of the business-unit application portfolio to Azure.

Dec 2022 - Dec 2023

Senior Software Engineer at Legal & General Financial Services plc
 Microservices | Java 18 | Quarkus | OpenShift | Kafka Streams | AWS

- Developed a reactive control dashboard using the SAGA choreography pattern.
- Created Maven artifacts and reusable utilities to facilitate the adoption of new technologies (Quarkus, Cucumber, Java 18).

Jun 2020 - Dec 2022

Technical Team Lead at Rockwell Automation
 Microservices | Kotlin | Spring Boot | Xtext | Angular | Azure

- Led an 8-person team as part of a 400+ member program to replace the flagship legacy IDE with a microservices-based native/web system, primarily using the Sidecar Pattern.
- Authored user stories and drove architectural decisions through cross-pod design reviews.
- Coordinated administrative tasks, facilitated knowledge transfer from contractors, and contributed to establishing the Medellín campus, including hiring.
- Advocated for and implemented Grafana for anomaly log inspection, integrating log scraping into CI pipelines.

Jan 2017 - Jun 2020

Technical Team Lead at Birchbox Inc.
 Microservices | Java | Spring Boot | Ruby on Rails | PHP | Magento | Solr

- Implemented the Strangler pattern to migrate legacy systems to a microservices architecture; expanded role from individual contributor to Technical Lead of a 7-person Scrum team.
- Spearheaded the CI/CD pipeline transition to full automation.
- Revamped the legacy subscription payment charging service by integrating with the Avalara Tax API, improving transaction processing speed by ~30%.

Mar 2015 - Jun 2016

Senior Java Developer at Very Good Security
<https://vgs.io>
 Java 8 | Spring Boot | HATEOAS | JSON Schemas | AWS

- Led REST API development (Spring MVC, HAL spec) and test automation strategy; first fully remote role on a distributed team.

Jan 2013 - Feb 2015

Solutions Architect at Talos Digital S.A.S
 Java 8 | Angular | Spring Boot | WebSockets | Hibernate

- Solution Architect for siila.com.br — led the dev team (Java/Angular), reshaped the initial proposal into a viable MVP architecture that was adopted in production.

EDUCATION

Software Development Postgraduate Specialist
 EAFIT University

Computer Engineering BSc
 UTB (Universidad Tecnológica de Bolívar)

Data Scientist Specialization Online Course
 Coursera