

ALEJANDRO SALAS LADINO

Cloud Native Architect · Senior Backend Engineer

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PROFESSIONAL SUMMARY

Cloud Native Architect and Senior Backend Engineer with 7+ years of experience designing and deploying high-availability distributed systems and applied AI solutions. Expert in Go, Java (Spring Boot), and Python, specializing in microservices architectures, resilience patterns, observability (Istio, Grafana), and container orchestration across multi-cloud environments (AWS, Azure, GCP). Led the modernization of critical platforms including a mobile banking backend for Diners Club and high-throughput order aggregation systems for KFC, achieving a 40% reduction in deployment errors and 80% improvement in CI/CD delivery times. AWS Certified Solutions Architect – Associate. Published researcher in broadcast emergency systems.

PROFESSIONAL EXPERIENCE

Backend Developer – Java Spring Boot · [SOFKA / Diners Club \(Outsourcing\)](#) Medellín, Colombia | Jun 2024 – Present

- ▶ Developed Backend for Frontend (BFF) microservices orchestrating the mobile banking app and integrating BIAN-standard banking services.
- ▶ Implemented Event Sourcing, gRPC, and SAGA design pattern to improve transactional consistency and system resilience.
- ▶ Integrated Facephi biometric SDK and Okta/Auth0 for secure multi-factor authentication flows.
- ▶ Engineered anti-Frida challenge-response mechanism using Redis-backed one-time nonces with HMAC-SHA256 for mobile security hardening.
- ▶ Implemented Apple App Attest / DeviceCheck integration with multi-instance race condition handling via Redis setIfAbsent.
- ▶ Tuned Reactor Netty WebClient connection pools applying Little's Law for 100 TPS across pods, reducing latency by 30%.

Fullstack Developer – Go & Angular · [Grupo KFC](#) Quito, Ecuador | Mar 2022 – Jun 2024

- ▶ Architected a multi-aggregator order routing platform (Uber Eats, Rappi, PedidosYa) using Go, gRPC, Event Sourcing, message brokers, and MongoDB on Azure AKS.
- ▶ Implemented CI/CD pipelines with Azure Pipelines, reducing deployment time by 80% and improving production quality.
- ▶ Integrated De Una e-Wallet (Banco Pichincha) into point-of-sale systems, enabling digital payment flows.
- ▶ Designed aggregation pipelines and data transformation layers handling high-volume order processing in real time.

Fullstack Developer – NestJS, Python & Ionic · [VIC-Data](#) Quito, Ecuador | Mar 2020 – Feb 2022

- ▶ Developed autonomous AI agents using LLMs, vector databases (Pinecone/Weaviate), and custom tool integrations for business workflow automation.
- ▶ Built CatalogStore and Storemi, eCommerce and seller management platforms with Parse Server and Supabase backends.
- ▶ Developed AI model endpoints on Azure ML Studio, including Churn prediction, Cross-Selling, and Upselling models.
- ▶ Designed and implemented ETL pipelines with Apache Spark for AI model training data preparation.

Fullstack Developer – PHP Laravel & NestJS · [LatamAutos](#) Mexico City, Mexico | Mar 2019 – Feb 2020

- ▶ Migrated legacy PHP portals (seminuevos.com, patiotuerca.com) to modern NestJS + ReactJS architecture.

- ▶ Implemented unit and integration testing suites, reducing deployment errors by 40%.

Fullstack Developer – Ionic & NestJS · [Ecuaquimica](#) Guayaquil, Ecuador | Aug 2018 – Mar 2019

- ▶ Implemented real-time bidirectional synchronization between SQLite and OracleDB via REST APIs, triggers, and state control.
- ▶ Developed a mobile plant disease diagnosis application (Black Sigatoka) using computer vision.

TECHNICAL SKILLS

Languages: Go · Java (Spring Boot) · Python · TypeScript · PHP

Cloud / DevOps: AWS (Certified SAA) · Kubernetes (EKS / AKS / GKE) · Istio · Docker · CI/CD (Azure Pipelines, GitHub Actions)

AI / Data: LLMs · MCP Server (Model Context Protocol) · LangChain · Vector Databases (Pinecone, Weaviate) · Apache Spark · Azure ML Studio

Architecture: Microservices · gRPC · Event Sourcing · SAGA Pattern · BFF · Reactive Programming (WebFlux / Reactor)

Databases: PostgreSQL · MongoDB · Redis / Valkey · Oracle · SQL Server

Observability: Grafana · Prometheus · Istio service mesh

CERTIFICATIONS & TRAINING

AWS Certified Solutions Architect – Associate

Amazon Web Services

Microservices Architecture: Kubernetes, AWS, Istio & Spring Boot

Code Arti · Nov 2025

EDUCATION

B.Eng. Electronics & Telecommunications

2018

Universidad de las Fuerzas Armadas – ESPE · Quito, Ecuador

RESEARCH & PUBLICATIONS

Gateway Server for Early Warning Systems in Digital Terrestrial Television

Co-author · Published in Springer. Designed a low-latency gateway server optimizing communication between broadcast protocols and data networks for emergency alert systems. [\[DOI\]](#)

LANGUAGES

Spanish (Native) **English** (Fluent – professional working proficiency)