

ANGEL ALVAREZ

Senior Software Engineer · Backend · Cloud · Full-Stack · Distributed Systems

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PROFESSIONAL SUMMARY

Full-stack software engineer with 5+ years of experience designing and delivering scalable cloud-native backend systems, real-time integrations, and high-throughput SaaS platforms serving thousands of users. Delivered a 96% reduction in bulk data processing time (24 hours → 30 minutes for 50,000 records) and contributed to fintech infrastructure handling hundreds of thousands of transactions per day. Experienced across AWS serverless architectures, event-driven systems, TypeScript/Node.js backends, and multi-channel third-party API integrations. Background spans customer engagement SaaS, fintech, government systems, and aerospace research software.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, Java, PHP
Frameworks	Node.js, NestJS, Angular, React, Ember.js, Ionic
Cloud & IaC	AWS Lambda, SQS, SNS, DynamoDB, RDS, S3, CloudWatch, CloudFormation, CodeBuild · Serverless Framework · Infrastructure as Code (IaC)
Databases	PostgreSQL, MySQL, DynamoDB, MongoDB · SQL & NoSQL
DevOps & CI/CD	AWS CodeBuild, CloudFormation, Docker, GitHub Actions, Git, GitHub, GitLab, Bitbucket
Testing	Jest, Pytest · Unit Testing · Integration Testing · TDD
APIs & Integrations	REST APIs, WebSockets, GraphQL · WhatsApp Business API · Meta Platform APIs (Facebook, Instagram)
Engineering	System design · Microservices · Event-driven architecture · Real-time systems · Clean architecture · Agile/Scrum · Code review

PROFESSIONAL EXPERIENCE

Software Engineer · Escala SaaS

Oct 2024 – Present

Remote · Chile | 10-person engineering team | Customer engagement & automation SaaS

- Own end-to-end feature design and development across backend, frontend, mobile, and cloud infrastructure — independently scoping technical solutions, making architecture decisions, and shipping to production.
- Designed and developed mobile features for the customer-facing Ionic app, delivering cross-platform functionality with full integration to backend services and feature parity with the web platform.
- Redesigned bulk data import pipeline to process **50,000 records in 30 minutes, down from 24 hours** (96% reduction), eliminating enterprise client onboarding bottlenecks and removing manual intervention requirements.
- Designed and developed a real-time notification system serving thousands of concurrent users across web and mobile surfaces, leveraging WebSockets and AWS SNS/SQS event-driven messaging.
- Designed and built third-party channel integrations connecting **WhatsApp Business API, Facebook, and Instagram** to the platform, enabling enterprise clients to manage multi-channel customer engagement from a single interface.
- Reduced inbox load latency on a high-traffic SaaS platform through backend query optimization and frontend rendering improvements, improving responsiveness for end users.
- Led code reviews and enforced engineering standards across a 10-person team, improving PR quality and reducing regressions on AWS-backed production systems.
- Designed and maintained cloud infrastructure using AWS Lambda, SQS, SNS, DynamoDB, RDS, S3, and CloudFormation on a serverless, cloud-native architecture.

Full-Stack Engineer · Datum

Aug 2023 – Oct 2024

Honduras | 6–10 person engineering team | Government & enterprise software

- Designed and developed client-facing web systems and internal software for government-sector clients across **finance and national security domains**, owning full technical scope end-to-end from requirements through deployment.
- Led technical design and implementation of multiple concurrent software projects, translating business requirements into scalable architecture for clients requiring high reliability, data integrity, and regulatory compliance.
- Provided architectural recommendations that improved software performance, long-term maintainability, and scalability across active client engagements.
- Conducted code reviews and mentored teammates, improving implementation consistency and accelerating delivery velocity across a cross-functional engineering team.

Full-Stack Developer · Applaudo Studios

Mar 2022 – Jul 2023

El Salvador | 25-person engineering team | Fintech & enterprise client projects

- Designed and developed backend services and REST API integrations for a fintech platform processing **hundreds of thousands of transactions per day**, owning technical design decisions from service contracts through implementation and deployment.
- Built and designed reusable backend components and service patterns supporting scalable, maintainable architecture across multiple client-facing fintech products.
- Delivered full-stack features within Agile/Scrum sprint cycles across a 25-person team, independently designing and implementing solutions from technical spec to production.

Flight Software Engineer · UNAH – Proyecto Morrazán

Oct 2020 – Dec 2022

Honduras | 30-person multidisciplinary research team | Honduras' first satellite project

- Designed and developed flight software components for **Honduras' first satellite initiative**, contributing to architecture decisions and hands-on implementation across a 30-person cross-disciplinary engineering and research team.
- Applied and adapted Agile methodologies to an aerospace-grade research context, improving team coordination and software development practices for safety-critical systems.

Cybersecurity Trainee · SISAP

Feb 2021 – Dec 2021

Guatemala | Penetration testing & security research

- Developed automated scripts to identify and validate vulnerabilities during supervised penetration testing exercises, building applied security analysis fundamentals.

EDUCATION

B.S. in Computer Science Engineering

Universidad Nacional Autónoma de Honduras (UNAH) · Graduated 2022