

Juan Pablo Arnedo

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PROFESSIONAL SUMMARY

Full stack engineer with nine years of experience, currently Tech Lead at Zalvadora, where I own architecture decisions, AWS infrastructure and production deploy approval. I rewrote the core of a legacy platform that was buckling under load - module response times went from around 10 seconds to under 2 - which is what let the company onboard a client with 1.2 million active users. I am part of the AI lab the company opened a few months ago, where we build custom LLM features for clients on Claude with MCP, Skills and Hooks. Spanish native, English B2 and improving.

EXPERIENCE

Zalvadora

January 2023 - Present

Tech Lead

Bogotá, Colombia (Remote)

- Lead teams of up to 5 developers; currently 2.
- One of two engineers authorised to deploy to production; review around 8 pull requests per week.
- Author of the code style guide adopted by all 10 developers on the team, which measurably improved code quality and readability.
- Own the AWS infrastructure: EC2, RDS, Aurora, S3, Serverless, Route53 and CloudFront across 4 servers, with production autoscaling to 10 instances.
- Rewrote the platform's slowest modules and their database queries, cutting response times from ~10s to under 2s and eliminating the query spikes that were hitting the database. Delivered solo in under two months.
- Added server self-checks and auto-restarts following a period of attacks and outages, so autoscaling held under real load.
- Part of the AI lab the company opened a few months ago: custom LLM features and automations for clients using Claude (MCP, Skills, Hooks) and n8n.
- Took over the service desk, cleared the backlog and set the standards for response and escalation.
- Cut infrastructure cost by auditing what was actually in use in AWS, and reduced team rework by defining task flows before development starts.

Zalvadora

June 2019 - January 2023

Full Stack Developer

Bogotá, Colombia

- Backend in PHP (Laravel, CodeIgniter); frontend in React, Angular, HTML, CSS and JavaScript.
- Built and maintained mobile applications with Angular/Ionic.
- Delivered platform features and custom development for clients, from scoping requirements through to release.

Suvigan (Freelance)

June 2021 - September 2021

Mobile & Web Developer

Remote

- Built an auction application with Flutter and Firebase alongside one other developer. The project did not reach production.
- Built and maintained web applications in PHP.

IP Consultores

April 2017 - April 2019

Software Developer

Bogotá, Colombia

- Built the internal platform used to monitor government servers, covering 7 servers with problem detection, data analysis and reporting.

- Migrated the platform from PHP to Node.js, which opened up better tooling for pulling server data and made it possible to add Sockets for live updates.

PROJECTS

Realtime Voice Bridge August 2026 - Present

Bilateral real-time voice translation for Meet, Zoom and Teams calls. Two parallel audio channels: incoming call audio translated into the user's headphones, and the user's microphone translated back into the call. Functional macOS beta running at about one second of latency. A first attempt using Gemini as the translator proved unstable, so I restarted on the current stack.

Python | Deepgram (STT) | Groq (translation) | Cartesia (TTS)

Cuentas 2023 - Present

Daily expense management system. A Swift/SwiftUI rewrite is in progress.

JavaScript | Swift | SwiftUI

Relo-Jito

Clock that surfaces calendar events and tracks time spent per task.

JavaScript

Chrome extensions for Google Meet

Built jointly with a colleague: meeting transcription on call end, audio control, camera handling, and chat link notifications. The repositories live in my colleague's account.

JavaScript | Chrome Extensions API

EDUCATION

Platzi

2017-2019

Web Application Development

Secondary education completed

Self-taught engineer: no university degree.

Anthropic Claude certification

In progress - certification exam pending.

SKILLS

Languages: JavaScript, TypeScript, PHP, Python, Dart, Swift, Bash **Backend:** Laravel, CodeIgniter, Express (Node.js), Django, Flask

Frontend: React, Angular, HTML5, CSS3, SwiftUI, responsive design **Mobile:** Flutter, Ionic, Swift/SwiftUI **Desktop:** Electron

Databases: MySQL, PostgreSQL, MongoDB, Firebase, Redis - including query optimisation

Cloud (AWS): EC2, RDS, Aurora, S3, Serverless, Route53, CloudFront **Tools:** Docker, Git, GitHub, GitLab, CI/CD, Apache

AI: Claude, Model Context Protocol (MCP), LLM integration, n8n **Architecture:** REST API design, monolithic and microservice systems

Practices: Service desk operations, code review, technical mentoring, Scrum

Spoken languages: Spanish (native), English (B2, actively improving), Portuguese (A2)