JUAN VALENTIN ALDUCIN VÁZQUEZ

Senior Backend Engineer | Tech Lead · SRE & Automation | Agentic AI

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PORTFOLIO

SUMMARY

Senior Backend Engineer and Tech Lead with 10+ years in Python, SQL and AWS. I work on operational reliability and automation (post-mortems, runbooks, n8n) and build software with Spec-Driven Development and AI agents.

EXPERIENCE

Service Support Tech Lead & AI Specialist

Podemos Progresar

07/2026 - Present CDMX

- Coordinate Service Support (bugs, critical incidents, technical debt); applied SDD with the Claude API to the diagnosis → fix flow.
- Take part in building the post-mortem process (P0–P3, 5 Whys, blameless) and run the monthly uptime/downtime tracking.
- Automate part of operations with n8n (Freshdesk → Notion → Slack) and am building an AI Skill to route tickets.
- Validate deployments in weekly release trains; operate AWS (CloudWatch, RDS) and Sentry; SLA <10 min, critical <2 h.

Backend Support Specialist

Podemos Progresar

09/2025 - 06/2026 CDMX

- N2 incidents with RCAs and AI-assisted post-mortems; knowledge transfer so N1 resolves on its own.
- Weekly idempotent PostgreSQL ETL (backup → cleanup → update → audit log) and identity deduplication.

Software Engineer > Tech Lead

Redsis

01/2022 - 09/2025 CDMX

- Built REST APIs (Python, Java, PHP) integrating GK POS with ERPs/CRMs over XML/SFTP across 3 LATAM countries.
- Led the GK POS cloud Go-Live (Peru, Colombia, Bolivia): schedules, business/IT stakeholders, pre-sales and on-site training.
- Led the functional-technical team: testing strategy (unit, regression, integration) and per-release quality.

Software Engineer

Softtek

03/2017 - 01/2022 CDMX

- Delivered billing systems, customer portals and ETLs on SAP ERP/HANA, plus executive SAP BO dashboards for business leadership.
- AMS support for GK retail solutions (help desk, corrective and evolutive maintenance of apps and ETLs) under Scrum, at a 98% SLA.

Earlier experience

Intellego · UGM Norte · Asesores Integrales

2013 - 2017 CDMX / Orizaba

- Data and reporting consulting on SAP SuccessFactors and SQL Server; PHP/MySQL systems (work orders, accounting entries and reconciliations).

EDUCATION

B.Sc. in Computer Systems Engineering

Instituto Tecnológico de Orizaba

2006 - 2011 Orizaba, Mexico

LANGUAGES

Spanish
Native

English
B1 · B2 technical reading/writing

SKILLS

Backend
Python (FastAPI, Django, Flask), SQL, TypeScript, REST/WebSocket

Cloud & Serverless
AWS (Lambda, Step Functions, EventBridge, CloudWatch, RDS, S3), Supabase, Deno Deploy, Docker, GitHub Actions

Data
PostgreSQL (RLS, PL/pgSQL), idempotent ETL, Liquibase, DynamoDB

SRE & Automation
Post-mortems, runbooks, SLAs, Grafana, Sentry, n8n

Applied AI
Claude Code (subagents, skills, hooks, MCP), Claude API, Amazon Bedrock, SDD/OpenSpec

PROJECTS

platform-STALD — Personal project

An educational platform I built as a hobby and use to practice technologies and AI: Spec-Driven Development with Claude Code (subagents, skills and hooks), real-time multiplayer games and CI tests.

Deno · TypeScript · Supabase (Postgres RLS, Auth, Realtime) · github.com/jalducin/platform-STALD

Fidello — Loyalty Card System

Multi-business digital loyalty (mobile-first QR) with the logic in PostgreSQL: multi-tenant RLS, PL/pgSQL RPC, anti-replay QR and feature flags. 793 tests · 91 migrations · 100% SDD.

React · TypeScript · Supabase · PL/pgSQL · jalducin.github.io/blog/deep-dive-fidello.html

Monitoreo-Cloud — Observability

Self-hosted observability (Grafana + Docker) over 3 sources: CloudWatch, Docker containers and tickets/SLA; collection with n8n.

Grafana · Docker · n8n · PostgreSQL · CloudWatch · github.com/jalducin/monitoreo-cloud

Other: VoltGrid (multi-tenant EV-charging SaaS, FastAPI + Next.js) · Trackion (serverless help desk) · dataMasterGK (retail ETL) — github.com/jalducin

CERTIFICATIONS

Claude Code in Action · Anthropic · 2026

Introduction to Model Context Protocol · Anthropic · 2026

Introduction to Agent Skills · Anthropic · 2026

Introduction to Subagents · Anthropic · 2026

Claude Code: Software Engineering with Generative AI Agents · Vanderbilt University · 2026

Generative AI Applications with Amazon Bedrock · AWS · 2026

Developing Applications in Python on AWS · Coursera · 2025

GitHub Actions Bootcamp · Código Facilito · 2025