Luis Leiva

Software Engineer | Backend & Systems Design

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Summary

Full-stack software engineer with 2+ years building scalable SaaS and high-traffic platforms. Strong in system design, API development, and performance optimization with TypeScript, Python, Golang, and cloud technologies; proven at reducing API latency, optimizing databases, and shipping robust production systems. Bilingual (English/Spanish), open to relocation.

Experience

Software Developer, RednBlue – David, Panama July 2025 – Aug 2026

- Maintained and scaled a full-stack fleet and last-mile delivery platform handling ~2,000 shipments/week at ~99% completion, adding a fleet-management domain and live GPS capture with an offline-tolerant, resilient sync lifecycle.
- Founded and architected Zelta Pay, a multi-tenant SaaS payment-link platform on Cloudflare Workers (~500 transactions / $30K in six months) across Emetec, NMI, and Yappy.
- Backend Lead on a multi-tenant retail POS, building 240+ use cases across 16 DDD modules on Cloudflare Workers over a dual-database design (edge SQLite for platform data, Postgres for business data).
- Cut p95 API latency 88% (6.65s to 0.77s) and peak database CPU from ~80% to ~26% through a database and performance initiative on a Medusa.js retail platform.
- Built a resumable product-import pipeline on Cloudflare Workflows using a medallion architecture (Bronze/Silver/Gold), processing 20k-row CSVs in ~17s (~1,100/sec) with bulk upserts and per-row dead-letter capture.

Software Engineer, BBR TEK – Remote, Panama Oct 2024 – June 2025

- Reached technical ownership of a Forex prop-trading CRM in 4 months, leading full-stack development across 28 business domains, 5 payment integrations, and 3 broker adapters for 5K+ users, 4.5K orders, and $65K in revenue.
- Eliminated manual review of ~25 trading accounts/day by automating webhook-driven pipelines and optimizing C# batch services with Redis-backed monitoring (100% automated certification and issuance).
- Integrated 4 payment providers (NMI, Cryptochill, TygaPay, Stripe) with multi-gateway fallback and webhook reconciliation, reducing fraud and enabling reliable multi-rail processing.
- Cut database load 50-70% (N+1 elimination, batch fetching, Redis caching) for sub-100ms dashboard queries, and abstracted 3 brokers (MetaTrader, DXTrade, TradeLocker) behind the Adapter pattern for platform-agnostic operations.

Full-stack Developer, Fundación Ayudinga – Remote, Panama Nov 2023 – Sept 2024

- Built 10+ React design-system components and Next.js screens, standardizing UI across the LMS.
- Designed and documented TDD REST APIs in Flask with pytest, enabling clean frontend integration.

Projects

Certificate Automator Tool for IEEE CS UTP Mar 2025

Certificate generation, bulk processing, and email distribution with a visual template editor, async job queues, and a scalable PDF pipeline. Built with React, Hono, Cloudflare Workers, D1, R2, Queues, FastAPI, Drizzle ORM, Zod.

Biogenec: Digital Cattle Management App Dec 2024

Mobile livestock-management app with tracking, health records, analytics, multi-farm workflows, and real-time sync. Built with React Native, Expo, NativeWind, Firebase (Auth, Firestore, Storage), TypeScript.

Education

Universidad Tecnológica de Panamá, B.S. in Software Development Mar 2022 – Dec 2026

- Regional Coordinator, IEEE CS UTP (2025-2026); recruited 15+ members, organized 6 events (300+ attendees), and helped win the Best Technical Chapter 2025 award.
- Copa Airlines Hackathons 2022/2024/2025 (IaC/Azure, Linux/AI, Data Analytics), learning Azure, AWS, Linux, Databricks, and AI tooling.

Skills

Languages: TypeScript, Python, Golang, Java, C#, SQL

Backend: Node.js, Hono, Express, FastAPI, Flask, Django, Spring Boot

Databases: PostgreSQL, MySQL, SQLite, Redis, Supabase, Firebase, Drizzle ORM, SQLAlchemy

Cloud & DevOps: Cloudflare Workers, AWS, Azure, Docker, Linux, GitHub Actions, Sentry

Frontend & Mobile: React, Next.js, Astro, Tailwind CSS, Expo, React Native