

Alexander Sánchez Torrejano

DELIVERY LEAD & BACKEND DEVELOPER · PAYMENTS INFRASTRUCTURE · AI-AUGMENTED DEVELOPMENT

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PROFILE

I build the part of software where money cannot be wrong: cross-border payments, remittances, wallets and double-entry ledgers. I lead day-to-day delivery across three teams —Backend, Frontend and Mobile— and build the platform's financial core. My specialty is migrating legacy systems to hexagonal architecture without stopping the business, and finding the root cause when a balance does not add up. On the side I am building LedgerCore, a double-entry ledger as a service. I develop with orchestrated AI agents, with explicit limits on what an agent may decide when the books are what is at stake.

6+ years leading delivery at a fintech	40+ countries reach of the platform I operate	3 teams Backend, Frontend and Mobile	6 figures off-book provider debt uncovered
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EXPERIENCE

Delivery Lead & Backend Developer Dec 2019 – Present

Cashela · Cross-border payments and digital wallet platform · Remote

- I coordinate daily delivery across three teams —scope, priorities, PR review, environments and releases— and took the platform from MVP to production.
- Progressive migration of a legacy monolith to hexagonal architecture, service by service, with feature flags and shadow-first cutovers, without interrupting the business.
- Double-entry ledger over the money paths: append-only entries, balances materialized in the same transaction, and reconciliation against provider statements.
- Pay-in and payout integrations with multiple providers: quoting by capability, automatic dispatch, signed callbacks, idempotency and retries.
- Operations and compliance back-office (transaction desk, ledger desk, service catalogs and feature flags) and an AML/OFAC program in shadow-first mode.
- Balance forensics: found and fixed frozen funds, off-book provider debt and decimal normalization bugs on money paths.
- AI-augmented development: parallel agent orchestration over the monorepo, persistent domain memory, automated change integration and explicit limits on what an agent may decide.

Backend PHP Developer Jan 2016 – Sep 2019

Freelance · Remote

- Built and maintained robust, scalable backend systems in PHP for clients across several industries.
- Integrated third-party APIs and optimized server-side logic with a focus on performance and security.

Senior Computer & Special Operations Analyst Jun 2011 – Nov 2015

SIDOR · Ciudad Guayana, Venezuela

- Analysis and support of computer operations and special processes in a mission-critical industrial environment.

Senior Field Technician Oct 2010 – Jun 2011

Tesis de Venezuela · Ciudad Guayana

Operations Supervisor Aug 2008 – Oct 2010

ADM System, CA · Ciudad Guayana

SKILLS

Financial infrastructure	Double-entry ledger, wallets and holds, pay-in and payout rails, reconciliation, idempotency and signed webhooks, balance forensics
Backend	PHP, Laravel, Go, REST APIs, hexagonal architecture, PostgreSQL, MySQL, queues and jobs
AI agents	Parallel agent orchestration, guardrails and governance, persistent domain memory, MCP integrations, automated review
Frontend & tooling	React, TypeScript, Inertia, Git & GitHub, GitHub Actions, Docker
Delivery	Engineering team leadership, stakeholder management, code review, releases and environments
Robotics & data	Python, data science, automation, robotics, computer vision
Working knowledge	Redis · AWS

PROJECTS

LedgerCore — A double-entry ledger as a service: an entry that does not balance is never posted, history cannot be edited and money is integers in minor units. Go, PostgreSQL, NATS. ledgercore.sanchezavila.com

Cashela BackOffice v2 — Operations and compliance back-office: transaction desk, ledger desk and feature-flag administration. React, TypeScript, Laravel.

Portfolio & technical blog — Laravel, Inertia and React, bilingual, with a custom CMS and self-hosted deployment on a VPS with Docker and Caddy. alexander.sanchezavila.com

EDUCATION & LANGUAGES

Education — B.Eng. in Computer Engineering, Instituto Universitario Politécnico Santiago Mariño (Puerto Ordaz, Venezuela), 2004–2011

Certifications — Industrial Hygiene & Safety · General Electrician | **Languages** — Spanish (native) · English (basic, technical reading)