# Lucas Isaias Casco

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Fullstack Software Engineer from Paraguay with a backend focus and 5 years of experience building systems in banking, fintech, and my own products. I design and build APIs and services with Node.js and Nest.js, integrate with existing systems, and work on authentication and critical flows with idempotency. I use AI coding agents daily, including a CLI I built to orchestrate them.

## PROFESSIONAL EXPERIENCE

### Software Engineer - SODEP S.A

*November 2024 - July 2026*

**Fintech Inversiones - Aquí Pago (Module "Mi Tienda")** *March 2026 - July 2026*

- Implemented a shared session module between Posweb (PHP) and Mi Tienda (Next.js), integrating with the existing middleware to enable unified access without re-login
- Built a Next.js module integrated as a microfrontend into an existing PHP application
- Developed stock management and payment features
- Delivered the MVP on a tight deadline

**Banco Basa - Banking CRM** *April 2025 - February 2026*

- Integrated with banking APIs through a Fastify proxy server responsible for authentication and request/response encryption
- Implemented idempotency keys with Redis to prevent duplicate records in critical onboarding flows
- Built modules for client onboarding, account creation, and card issuance within a banking CRM
- Contributed to defining the deployment pipeline across development, QA, and production environments and its interaction with frontend and backend services
- Conducted code reviews focused on maintainability and team standards
- Provided structured technical mentorship to team developers; two participants reached semi-senior level and one reached mid-level in under two years

**Banco Interfisa - Business Banking Platform** *November 2024 - April 2025*

- Built frontend features for high-complexity business banking flows: loan payments, transaction history, and vendor management

### Freelance

*June 2021 - November 2024*

- Integrated payment gateways (Stripe, Bancard, Pagopar) into client applications, including checkout flows and payment confirmation webhooks
- Built web solutions for clients under NDAs using React, Next.js, and Node.js across different domains

## PROJECTS

**NutriOne - SaaS for nutritionists (nutrione.com.py)**

- Co-created the product and led full backend and frontend development of the MVP
- Nest.js backend with Prisma and Redis for patient management, scheduling, and nutrition planning
- Optimized the nutritional plan creation process
- Built with an AI-assisted workflow (Claude Code, custom agent orchestration)

**Stack:** Nest.js, Next.js, Prisma, Redis

**Vexillum CLI - Orchestrator for AI coding agents (vx.lucasco.dev)**

- Go terminal CLI that coordinates multiple coding agents (Claude Code) on parallel tasks
- Used to develop NutriOne's current iteration

**Stack:** Go, JSON file storage, Claude Code

**Creacionix AI - AI content generation app (creacionixai.lucasco.dev)**

- Text generation platform with 25+ templates powered by the Google Gemini API
- Designed, built, and deployed solo; open source on GitHub

**Stack:** Next.js, Clerk, Neon, Drizzle ORM

## EDUCATION

**Universidad Católica**

- Computer Engineering

**Colegio Nacional "Prof.: Luciano Bordón"**

- Technical Degree in IT

## TECH STACK

- Languages: JavaScript, TypeScript, Java, Dart, Go
- Backend: Nest.js, Node.js, Express, Fastify, Spring Boot
- Frontend: React, Next.js, Flutter
- Data & Infrastructure: PostgreSQL, Prisma, Redis, Docker, Docker Compose, CI/CD
- Tools: Git, GitHub
- AI & Integrations: Claude Code, Google Gemini API, AI agent orchestration, Stripe, Bancard, Pagopar, Firebase

## LANGUAGES

- Spanish: Native
- English: Intermediate

## REFERENCES

- References upon request