

Edwin Carrera Balbin

Backend Engineer | Full Stack Developer

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Summary

Backend developer with 8+ years of experience building APIs, transaction systems, and server infrastructure – mostly in Fintech and Crypto. Strong background in Python, Laravel (PHP), and Node.js. I've gone from early-stage startups to production systems handling real financial operations.

Experience

[BNKA](#) – Full Stack Developer

Mar 2023 – Oct 2025

Multi-currency Fintech platform (EUR, ARS, PEN, COP, Crypto).

- Refactored multiple legacy PHP and Python systems – improved performance and made them actually maintainable.
- Designed and built the **Swap module** backend: FIAT-to-crypto exchange logic, spread calculation, order processing.
- Built the **Payment Requests** backend, integrating with external payment gateways.
- Integrated with **GMoney** (Peruvian P2P gateway) – webhook flows, fund settlement logic.
- Wrote automated tests for the most sensitive financial operations.
- Maintained strict transactional integrity (ACID) across all balance operations.

Stack: Python, PHP, Node.js, SQL, Docker

[Pulpi](#) – Full Stack Developer (Freelance)

May 2022 – Jan 2023

Video consultation platform with virtual currency (Pulpicoins).

- Built and maintained the Node.js backend from scratch.
- Replaced Firebase Realtime Database with **Server-Sent Events (SSE)** – lower latency, more control, better scalability.
- Designed the financial tracking DB modeled after Microsoft Dynamics NAV's accounting structure.

Stack: Node.js, AWS, Amazon RDS, MySQL, Redis

Reply – Backend Developer (Freelance)

Oct 2020 – Dec 2020

Student Q&A platform with a virtual coin system (ReplyCoins).

- Built the API using **NestJS**, with modular structure and dependency injection.
- Set up payment webhooks integrated with **Culqi**.
- Real-time bidirectional chat using **Socket.io** and MongoDB.

Stack: Node.js, NestJS, MongoDB, Socket.io

Rantiy Marketplace & Delivery – Founder / Backend Lead

Apr 2020 – Jul 2021

E-commerce platform for local stores in Lima, built during the pandemic.

- Built the order management API with Laravel and Python, supporting 100+ active stores.
- Set up queue workers and crons to handle push notifications on delivery status changes.
- Added Redis caching and image compression to keep the backend fast under load.

Stack: Laravel, Python, MySQL, Firebase, AWS

Printeddy – Co-Founder / Backend

Feb 2023 – Jan 2024

Pre-order platform for creators.

- Built the entire backend with **Laravel**.
- Set up the CI/CD pipeline on AWS (EC2, S3, RDS).

Stack: Laravel, MySQL, AWS

Rantiy Wallet / Rantiy Club – Founder / Backend Architect

Mar 2019 – Apr 2020

Fintech wallet for unbanked users in Peru (+200 agent stores).

- Built the full backend with **Laravel + MySQL**: transfers, PIN validation, real-time balance updates.
- Multi-level referral system with points and tier logic.

Stack: Laravel, MySQL, AWS

Somos Sistemas – Full Stack Developer

May 2017 – Oct 2018

- Built offline-first systems with automatic sync.
- Managed IT projects end-to-end.

Stack: Laravel, Python, Node.js

Projects

Escanea & Pide – Personal SaaS

AI-powered restaurant ordering platform.

- Built Python workers to extract menus from images/PDFs and convert them to structured JSON.
- Deployed everything on **Supabase (Postgres)** and **Docker**.

Stack: Python, Supabase, Docker, Flutter

Education

SENATI – Software Development, Lima, Perú (2016)

Skills

- **Backend:** Python, PHP, Laravel, Node.js, NestJS, Django, REST APIs, SSE, WebSockets

- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, SQL, Firestore
- **Cloud & DevOps:** AWS (EC2, S3, RDS), Docker, Git
- **Patterns:** Clean Architecture, ACID transactions, Queue workers, Webhook integrations
- **Languages:** Spanish (native), English (intermediate)