

PABLO FERRARI

SENIOR BACKEND ENGINEER

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PROFESSIONAL SUMMARY

Senior backend engineer with 10+ years building production systems across industries that have almost nothing in common — real estate, telecom, gaming, EdTech, hospitality, fintech. Different stacks, different domains, different teams; the constant is **end-to-end ownership**. Most recently went deep on global payments (10+ providers, 3DS v2, **hundreds of thousands of dollars in recovered transactions**). **Claude Code is my primary development environment** — founded and shipped alveia.app, a multi-tenant invoicing SaaS with paying subscribers, built end-to-end using AI tooling.

INDEPENDENT PROJECTS

Builder & Developer

[alveia.app](#) — [Electronic Invoicing SaaS \(Argentina\)](#) | 2026

Designed and built a self-sustaining SaaS using **Claude Code as the primary development tool** — live in production with paying subscribers, active development.

- Multi-tenant backend (Node.js + TypeScript + Express), accountant multi-business management, tiered subscription billing, audit log, and stock control
- Integrates Argentina's government invoicing API (ARCA/AFIP) for issuing invoice types A, B, C, E, and MercadoPago for recurring subscriptions
- In-app AI assistant for end users: context-aware prompts tailored to each business's invoicing history, plan, and AFIP status — powered by a multi-provider fallback chain (Claude → OpenAI → Gemini)
- AWS Lambda for PDF generation (Puppeteer), S3 for cert/doc storage with AES-256-GCM encryption, Cloudflare for delivery

Technologies: Node.js · TypeScript · Express · MongoDB · AWS S3/Lambda · Anthropic SDK · Claude Code · MercadoPago

PROFESSIONAL EXPERIENCE

Backend Developer

[Unicity International](#) | Utah (Remote) | Feb 2024 – Present

- Integrated **10+ payment providers** across North America, Europe, and APAC — global card acquirers, buy-now-pay-later, eCheck, HSA/FSA and local payment methods
- Reversed a sharp card approval rate decline in key international markets by implementing **3DS v2** correctly — approval rates recovered within weeks and stabilized **above 90%**
- Integrated **Google Pay** and **Apple Pay** across multiple acquiring partners
- Improved approval rates by enriching transaction payloads (billing address, client IP, device signals) and implementing **CIT/MIT flows** for recurring subscriptions
- Co-designed and implemented a **unified checkout platform** consolidating all sales channels under a single payment layer, enabling new market rollouts without per-channel integration work

Technologies: PHP (Laravel / Custom Framework) · MSSQL · 3DS v2 · CIT/MIT · Multi-currency · Payment APIs

Software Engineer

[Crowdability](#) | New York (Remote) | Apr 2021 – Nov 2023

- Migrated legacy codebase from PHP 5.6 to PHP 8 + Laravel 9 with Blade templates, reducing landing page and checkout load times by **~50%** while eliminating years of accumulated security debt
- Set up AWS CodePipeline + Elastic Beanstalk CI/CD for staging and production, replacing a fully manual deploy process
- Architected and shipped a real-time messaging MVP using AppSync + GraphQL + Next.js — owned end-to-end from blank file to production

Technologies: Node.js (TypeScript - Express), PHP (Laravel/Codigniter), MySQL, MongoDB, DynamoDB, React, Next.js, Docker, AWS

Freelance Software Engineer

[Hubtricity](#) | Alabama (Remote) | Sep 2022 – Mar 2023

- Built multi-property hotel KPI platform with automated data pipelines integrating M3 (PMS/accounting), Paychex (HR/payroll), and Google Places — pulling daily revenue, monthly budgets, and weekly forecasts across hotel groups
- Designed a rule-based bonus calculation engine with a CSS-specificity-like algorithm matching employees to formulas via configurable hierarchies, conditions, and priority weights

Technologies: Node.js · TypeScript · Express · Prisma · MySQL · React · Redis · AWS S3

Software Engineer

TodosGamers | Argentina (Remote) | Feb 2020 – Apr 2021

- Led migration of todosgamers.com from a PHP/Laravel monolith to ~10 Node.js/TypeScript microservices, maintaining the legacy system in parallel throughout
- High focus on logging and testing discipline; integrated Socket.io for real-time features, PayPal/Stripe APIs, and Vue.js frontend

Technologies: Node.js · TypeScript · Express · Vue.js · PHP · Laravel · MySQL · MongoDB · Redis · Socket.io · Docker · Kubernetes · AWS

Software Engineer

Sofrecom | Argentina (Remote) | Aug 2019 – Feb 2020

- Designed the microservices architecture and led initial implementations for a French telecommunications operator — established technical patterns and tooling adopted by the broader team

Technologies: PHP · Laravel · MariaDB · Docker · AWS

Tech Lead & Sole Developer (Contract)

SafetySoft — Occupational Health & Safety SaaS | Argentina (Remote) | 2019 – 2023 · Jun – Aug 2026

- Worked on the platform from 2019 to 2023 (Laravel web app, Cordova mobile app, Node.js service); the owner brought me back in 2026 to rebuild the entire product — backend, web, mobile app and infrastructure — as the sole developer
- Rebuilt the legacy PHP 7.1 / Laravel 5.7 + Cordova SaaS as a TypeScript monorepo (Express + Prisma API, Next.js web, React Native / Expo mobile), built in parallel with the legacy system and verified module by module against it
- Reached full functional parity in ~5 weeks against a 3-month plan: 50 modules, 419 endpoints, 179 pages and 37/37 Excel reports — reusing proven legacy stored procedures instead of rewriting business logic
- Found and fixed silent legacy bugs, including a date-handling issue that under-reported lost workdays ~20× (741 vs 14,619) in accident severity metrics, plus broken stored procedures and a tenant-isolation gap
- Built AI-first observability (audit trail on every mutation, automatic incident capture with LLM root-cause analysis) and an AI onboarding pipeline that drafts a customer's risk matrix from spreadsheets — 83% accuracy on risk factor, validated on production data (15 clients, 92 sites)
- Set up CI/CD with GitHub Actions, GHCR and Docker on AWS EC2 with path-filtered deploys; migrated user files to S3

Technologies: Node.js · TypeScript · Express · Prisma · MySQL · Next.js · React Native / Expo · Docker · GitHub Actions · AWS · Anthropic SDK

Freelance Developer

Various clients | 2016 – 2022

- EdTech school management systems with BigBlueButton virtual classroom integration

Technologies: Node.js · PHP · Laravel · Vue.js · MySQL · AWS

System Analyst and Web Developer

Xintel | Buenos Aires | 2015 – 2019

- Built the CRM and public API layer for 100+ real estate agencies, synchronizing 50,000+ property listings daily across MercadoLibre, Zonaprop, Argenprop, OLX, and Properati

Technologies: PHP (Laravel, Kohana, CodeIgniter), MySQL, Node.js (Express)

EDUCATION

Instituto Educativo ESBA, Ciudad Autónoma de Buenos Aires

Systems Analyst - 2015

CORE COMPETENCIES

Backend Development

Node.js | TypeScript | Express | PHP | Laravel | RESTful APIs | Microservices | Python (familiar)

Cloud & Infrastructure

AWS (EC2, S3, Lambda, RDS, CloudWatch) | Docker | CI/CD

Databases

MySQL | PostgreSQL | MongoDB | Redis | MSSQL | DynamoDB

Payment Systems

Card acquiring | 3DS v2 | Apple Pay / Google Pay | BNPL | Local payment methods | eCheck / ACH | CIT/MIT | Subscription Billing | Stripe | PayPal | Mercado Pago

AI & Development Tools

Claude Code | Anthropic SDK | Multi-provider AI (Claude / OpenAI / Gemini) | RouteLLM | AI-assisted development

LANGUAGES

Spanish Native English Upper-Intermediate (B2)

REFERENCES

George Zhao — CTO, Crowdability (New York) Rodrigo Vidal — CEO, Wallbit (YC W23) Contact details available upon request.

Proud marathon runner — Buenos Aires Marathon finisher. Long-term thinking comes with the territory.