

Jesus Blanco Castillo

Full-Stack & AI Engineer

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SUMMARY

Full-Stack & AI Engineer with 5 years of experience building production SaaS and AI agents. Co-founder and tech lead at Fencode, where I architected and launched SaleShow, a B2B retail analytics SaaS for LATAM clients. Build LLM agents with tool calling and MCP servers that connect models to real systems such as GitHub, databases and deployment platforms. Own products end to end: data model, API, UI, payments, CI/CD and production operations.

SKILLS

Languages: TypeScript, JavaScript, Python, PHP, Go, SQL

Frontend: React, Next.js, Tailwind CSS

Backend & Data: Laravel, Node.js, REST APIs, PostgreSQL, MySQL, SQL Server, Supabase, Stripe

AI: LLM agents, tool calling, MCP, OpenAI, Gemini, Deepgram, ElevenLabs

Cloud & DevOps: Docker, GitHub Actions, CI/CD, Vercel, DigitalOcean, Coolify, AWS, Azure

EXPERIENCE

Software Engineer, Club Hípico La Silla | Monterrey, Mexico

Apr 2026 to Present

- Built an AI grants agent for Somos El Cambio, the club's sister organization: discovers and crawls funding calls, scores them with LLMs, stores them in Postgres, and sends alerts and a weekly digest; runs every morning in production.
- Built an AI research agent for the club that automates tender and bid discovery and analysis.
- Maintain a horse sales catalog and online auction platform; lead development of a stable and farm management system, from data modeling through production UI.

Co-Founder & Tech Lead, Fencode | Remote

Apr 2024 to Present

- Architected and launched SaleShow.app, a B2B retail analytics SaaS for LATAM clients, built with Laravel, React, Inertia and MySQL on DigitalOcean.
- Built subscription billing with Stripe Cashier, transactional email with Resend, a Python uploader service for ERP data ingestion, and an inventory MCP server.
- Set up CI/CD with GitHub Actions deploying the Laravel/React app to DigitalOcean and Dockerized Python services to Coolify.
- Built QueueUp.quest with Next.js, TypeScript and Supabase: Stripe payments, a user wallet, Wise payouts, Discord OAuth, and Vitest and Playwright test suites.

Full Stack Developer, Indautosoft | Remote, part-time since Apr 2026

Aug 2022 to Present

- Led the migration of a legacy system to a modern architecture.
- Built an HR intranet with Next.js, React and a .NET API that automates vacation requests, payroll, training courses and other HR workflows for 100+ employees.

Full Stack Developer Intern, Hold Marketing MTY | Monterrey, Mexico

Jan 2021 to May 2021

- Built an internal evaluation platform with PHP and CodeIgniter, optimized its SQL queries and introduced Git/GitHub version control for the team.

PROJECTS

- **emoji-styles:** Open-source TypeScript toolkit for custom emoji packs with accessible fallbacks; 7 npm packages (core, React, web, CLI and a 16-tool MCP server) published from GitHub Actions with npm provenance, 400+ tests. emoji-styles.space
- **git-why:** Open-source Go CLI that explains why code exists from Git history, with an MCP server mode for coding agents; GitHub Actions CI and v0.1.0 released with GoReleaser. github.com/Blancochuy/git-why
- **Hermes:** Personal AI agent on Telegram with MCP and API tools for GitHub, Coolify, Supabase, Cloudflare and Vercel; persistent memory, cron jobs, subagents and human approval gates.

EDUCATION & LANGUAGES

BS in Computer Engineering, Universidad de Monterrey

2017 to 2022

Languages: English (C1, Advanced), Spanish (Native)