Hugo Adriano de Oliveira

Senior Full Stack Developer | Senior Software Engineer

PHP/Laravel · React · TypeScript · Node.js · PostgreSQL

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SUMMARY

Full stack developer with 4+ years shipping production systems: a multi-tenant ERP with tax invoice issuing, e-commerce integrated with ERPs, academic systems and customer service platforms. I work mainly with PHP/Laravel, React and TypeScript on PostgreSQL, and with Node.js (NestJS, Fastify). I build applied AI into products (agents, RAG, MCP) and founded NOCTRA, my own software company.

EXPERIENCE

Senior Systems Analyst (Full Stack Developer) · IESB

Mar 2026 – present · full-time · remote

- Develop and maintain academic and administrative systems for a higher education institution with Laravel, React (Inertia.js), TypeScript, SQL Server and PostgreSQL, plus a React Native app and legacy PHP systems.
- Built internal tools with applied AI (agents, semantic search and MCP) and upgraded production apps to current Laravel and Tailwind.
- Migrated legacy PHP systems to Linux containers and built in Go a Windows agent with self-update and automated CI releases.
- Delivered systems that handle personal data under Brazil's data protection law (LGPD).

Software Engineer · Seven Sistemas

Dec 2025 – present · contractor · remote

- Architected from scratch, as lead developer, the multi-tenant ERP replacing the company's legacy Delphi system: 25 modules and 80+ screens on Laravel 12 and PostgreSQL 16 with a database per tenant.
- Implemented Brazilian tax invoice issuing with SEFAZ (NF-e, NFC-e and NFS-e) with contingency mode and automatic retransmission, item-level return invoices and the new IBS/CBS tax reform fields.
- Integrated the V$Pague card terminal (TEF) over WebSocket into checkout and built the legacy migration that imports the old database in 9 steps (customers, products, inventory, sales, finance).
- Established role-based access control, 600+ tests (PHPUnit, Playwright) and automated deployment with GitHub Actions.

Full Stack Developer · AppAgronegócios

Apr 2025 – present · contractor · remote

- Developed a B2B agribusiness commerce platform with a web dashboard, a customer app and a driver app.
- Built the Android driver app from scratch: delivery acceptance, real-time location, photo proof of delivery and offline operation.
- Built the customer app in React Native/Expo with offline mode, voice input and document scanning; Laravel, PostgreSQL and Redis back end with push notifications and real-time updates.

Software Engineer · Fundação MT

Feb 2025 – present · contractor · hybrid

- Develop and maintain web and mobile systems for an agricultural research foundation: website and event store, sales system and an offline-first field app, with Laravel, Livewire, PostgreSQL, React and React Native.

Founder and Software Engineer · NOCTRA

Apr 2023 – present · own company

- **Monabelle:** built and run, as the sole engineer, an online store integrated with the client's ERP, Cielo, Rede, WhatsApp and an AI sales assistant. 3,600 orders in 10 months, growing from 117 in the first month to over 400 per month.
- **Multi-store e-commerce platform:** NestJS, Next.js, Astro and PostgreSQL, with per-store data isolation, 1,100+ automated tests, point of sale, tax invoices, AI support agent and Bling, Mercado Livre, Shopee and Asaas integrations.
- **Contraprova:** whistleblowing channel required by Brazilian law (Lei 14.457/2022) with AI that checks a company's declared risk program against its real data. NestJS, Next.js and PostgreSQL, prompt injection guards (0 of 6 attack cases got through), evals in CI and an MCP server.

Full Stack Developer · AgendaPower

May 2025 – Apr 2026 · contractor · remote

- Developed, as part of the team, a scheduling SaaS: NestJS and Prisma API (PostgreSQL 16) with Redis/BullMQ queues, a WhatsApp microservice in hexagonal architecture with swappable providers, and Pix deposit payments (PagBank) with split.
- Delivered the Next.js PWA and React Native/Expo mobile app; GitHub Actions CI/CD to production, with tests for availability and booking-conflict rules.

Software Engineer · ForTalk

Apr 2024 – Mar 2025 · remote

- Led the technical work on a multi-tenant SaaS for omnichannel customer service (WhatsApp, Instagram and Telegram) with Node.js/Fastify, PostgreSQL, Redis, Socket.IO and React.
- Built the BullMQ message queue, automatic WhatsApp session reconnection, bulk campaigns, webhooks, S3 media storage and AI replies (OpenAI).

Back-end Developer (C#) · IO Software Outsourcing

Nov 2022 – Jan 2024 · freelance

- Developed C# add-ons and batch services for SAP Business One (DI-API and Service Layer), data loads and Crystal Reports.

OPEN SOURCE

- **Tacet** (github.com/OwlHugo/tacet): fully local meeting transcription and minutes (Electron, TypeScript, whisper.cpp, Ollama); a deterministic verifier drops anything the model made up, tested with 89 fabricated items.
- **Enquadra** (github.com/OwlHugo/enquadra): classifier for Brazil's IBS/CBS tax codes (CST, cClassTrib) with legal citations, abstention when unsure and 88 CI-gated eval cases.

SKILLS

Back end: PHP 8, Laravel, Livewire, Inertia.js, Node.js, NestJS, Fastify, Express, Python, REST APIs, webhooks, queues (BullMQ), multi-tenancy.

Front end and mobile: React, Next.js, TypeScript, Astro, HTML, CSS, Tailwind CSS, Vite, Zustand, React Native, Expo.

Data: data modeling, PostgreSQL, SQL Server, MySQL, Redis, MongoDB.

Applied AI: LLMs, agents, RAG with hybrid search, MCP, OpenAI, Anthropic, local models (Ollama), LLM evals, AI-assisted development (Claude Code, Cursor).

Integrations: ERPs (TOTVS Protheus, SAP Business One, Bling), Brazilian tax invoices (NFS-e, NF-e), Pix, Asaas, Cielo, Rede, PagBank, shipping carriers, marketplaces (Mercado Livre, Shopee), WhatsApp.

Quality and infrastructure: PHPUnit, Pest, Jest, Vitest, Playwright, Git, Docker, GitHub Actions, Nginx, Linux, AWS, observability (Sentry, OpenTelemetry), code review, Scrum.

EDUCATION

B.Sc. in Information Systems, Federal University of Rondonópolis (UFR), expected Dec 2026. Languages: Portuguese (native) · English (intermediate, technical reading and writing).