# Waldo M. Panozo

Senior AI Fullstack Engineer
(TypeScript/Node/React)

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Senior engineer productionizing AI into customer-facing features: TypeScript/Node APIs, LLM tool-calling and RAG pipelines, React UX, PostgreSQL persistence, and Datadog-driven reliability - with hackathon-proven 3D PDP innovation at global e-commerce scale. Fits AI-augmented full-stack roles (embeddings, document workflows, OpenAI integrations).

I'm Waldo M. Panozo, a Senior Software Engineer with 15+ years designing and scaling products with TypeScript, React, Next.js, PHP, Java, Python, and modern REST architectures. I combine strong frontend craftsmanship (component architecture, API integration, performance, Cypress E2E) with backend pragmatism and measurable KPI ownership. I built TradersWorld (tradersworld.top), a TypeScript/Next.js crypto and forex platform with payments, RBAC admin, and MT5 operations dashboards. In parallel I develop Python trading systems (pandas, PostgreSQL, ML analytics) aligned with my Ph.D. finance research. Remote-first collaboration energizes me, yet I'm equally enthusiastic about relocating when it creates bigger outcomes for my family and the teams I support.

## EXPERIENCE

**Revolution Parts Canada / USA (Assuresoft Paraguay) - January 2023 - Present**

*Senior Software Engineer - December 2023 - Present*

- Launched a new multi-tenant vehicle search experience showcased at SEMA 2025.
- Improved GMV conversions by 13.7% through SEO, React UI work, and analytics instrumentation.
- Shipped AI-assisted catalog features and 3D product visualization; three hackathon podiums including 2nd place overall (2026 R&D) for GLB PDP viewers and an image-to-3D rendering service.
- Maintained Cypress E2E coverage and API integrations across GMV microservices.
- Authored HLDs and production incident runbooks for checkout, catalog, and cache domains across PHP/Node/React microservices.
- Ran Datadog-driven investigations for checkout reliability, inventory messaging, and PDP performance with cross-team implementation plans.

*Tech Lead - February 2025 - May 2025*

- Onboarded new team members and restructured the GMV squad until leadership hire.
- Coordinated sprint rituals, PR reviews, and cross-team HLD to align delivery.

**Tech Stack:** TypeScript, React, PHP, Laravel, Slim, Python, Redis, Elasticsearch, Docker, GitHub Actions, Go, Cypress, Datadog, Linux

**Bilingual Communications (BICOM USA) Remote - January 2008 - April 2016**

*Senior Software Engineer (Contractor) - August 2015 - April 2016*

- Created a call recording platform combining hardware and software.
- Built a real-estate catalog with recommendation engine driven by engagement.

*IT Manager - January 2010 - January 2014*

- Reduced communication and operations expenses by 70% using VoIP and broadband upgrades.

*Software Engineer - January 2008 - December 2009*

- Maintained corporate website with lead workflows.
- Developed SMS marketing platform with reusable templates.

**Tech Stack:** PHP, Yii2, jQuery, MySQL

**Public University "Mayor de San Simón" Cochabamba, Bolivia - January 2017 - December 2023**

*Software Development Lead - April 2021 - December 2023*

- Boosted productivity by 70% via a digital workflow platform.
- Designed provider administration portals reducing request time from 15 to 5 days.
- Led scholarship services serving 15K+ students annually.

*Senior Software Developer - January 2017 - April 2021*

- Implemented biometric-enabled support control for 80K+ users.
- Created dynamic survey platform mixing SQL and NoSQL storage.
- Built the university's first API enabling 20M+ yearly transactions.

**Tech Stack:** PHP, Yii2, Java, Spring Boot, Angular, React, TypeScript, jQuery, PostgreSQL, GitLab, Jenkins

**Iventiva Remote - February 2011 - August 2011**

*Software Engineer - February 2011 - August 2011*

- Built CuisineLinks, a social recipe-sharing platform with guided publishing flows.

**Tech Stack:** Java, Spring, jQuery, MySQL

## AWARDS & RECOGNITION

- RevParts R&D Hackathon - 2nd Place (3D PDP + image-to-3D service)
- Revolution Parts Hackathon Winner - Caching optimization track
- Revolution Parts Hackathon Winner - AI product imagery search
- Vehicle Search Launch - SEMA 2025 - CEO recognition

## SKILLS

**Project Management:**

Scrum, Requirements Analysis, Business Process, Kanban, Design Thinking

**Programming Languages:**

JavaScript **(12+ YOE)**, TypeScript **(5+ YOE)**, PHP **(15+ YOE)**, Python **(6+ YOE)**

**Frameworks and Tools:**

React, Node.js (Express), REST APIs, Next.js, Laravel, FastAPI, Django, Yii2, ASP.NET Core, Angular, jQuery, React Native

**Databases:**

MySQL, MariaDB, PostgreSQL, Oracle, SQLite

**Languages:**

English, Spanish

**Additional:**

React, Angular, TypeScript, Next.js, UI/UX, Playwright, Cypress, Vite, Bootstrap, pandas, NumPy, scikit-learn, TensorFlow, OpenCV, YOLO, Whisper, KNIME, psycopg2, MetaTrader5 API, TensorFlow/Keras, OpenCV, Ultralytics YOLO, MNIST CNN, Unity AR/XR, Jupyter, LLM integration, RAG, Groq, Ollama, Prompt engineering, Multi-provider AI, Open Finance, Crypto & Forex Markets, Web3, Solana, NFT, PayPal, Binance Pay, Payment Flows, API Security, Performance Optimization, GitLab, GitHub, Git, Jenkins, GitHub Actions, Automated Pipelines, REST APIs, NestJS, Prisma, Kafka, Flyway, OpenAPI/Swagger, Load Balancing, Proxy, n8n, React Native, WhatsApp API, Socket.IO, Mobile Applications, MetaTrader 5, MQL5, Algorithmic Trading, Technical Analysis, Risk Management, PostgreSQL Analytics

## EDUCATION

- MSc. AI, Machine Learning & Data Science, Public University "El Alto", Bolivia - In progress
- Ph.D. Business Science, Public University "Mariscal Jose Ballivian" - In progress - finance specialization; algorithmic trading & quantitative decision support
- International Leadership Training Program, Georgetown University, USA - 2012
- Bachelor of Telecommunication Engineering, Private University "Aquino Bolivia" - 2008
- MSc. Telematics, Public University "Mayor de San Simón" - 2010