

LUCAS PEZZUTI

Tech Lead & Senior Software Engineer | Full Stack & Software Architect

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PROFESSIONAL SUMMARY

Systems Engineer and Tech Lead with over 10 years of experience designing and delivering robust, scalable, high-concurrency software. Specialized in modern application architecture (Laravel & Vue.js), stakeholder functional requirements discovery, technical roadmap leadership, and code reviews. Proven track record leading mission-critical integrations: enterprise ERPs (PRESEA, SAP Business One, VTEX, RojoSoft), fintech payment gateways (MercadoPago, Payway), AFIP/ARCA fiscal compliance, Meta ecosystem (WhatsApp Business Cloud API), and applied Artificial Intelligence solutions (LLMs, OCR, RAG, and state-machine conversational agents).

TECHNICAL SKILLS & CORE TECHNOLOGIES

Leadership & Management: Tech Lead, Functional Discovery, Software Architecture, Code Review, Task Delegation, Scrum/Kanban

Backend & Architecture: PHP, Laravel (all versions), RESTful APIs, GraphQL, Microservices, Clean Architecture, Webhooks

Modern Frontend: Vue.js 3 (Composition API), Pinia, JavaScript (ES6+), TypeScript, Tailwind CSS, Vite, SPA

Enterprise Integrations: PRESEA ERP, SAP Business One, VTEX, RojoSoft ERP, AFIP / ARCA Fiscal Invoicing, MercadoPago (QR / POINT), Payway

Meta & Messaging: WhatsApp Business Cloud API, Meta Webhooks, Interactive HSM Templates, Conversational Flows, Transactional Messaging

Artificial Intelligence: AI Agents (Gemini, OpenAI), Finite State Machines, Document & Prescription OCR, RAG, Structured JSON Extraction

Databases & DevOps: PostgreSQL, MySQL, Docker, Docker Compose, Linux (Ubuntu/Debian), Git, GitHub, Bitbucket, CI/CD Pipelines

PROFESSIONAL EXPERIENCE

Jubbler Technologies

Argentina

Full Stack Software Engineer / Technical & Functional Lead

May 2025 - Present

- **Functional Leadership & Requirements Discovery**
Conducted strategic discovery sessions with C-level stakeholders, capturing business requirements and authoring comprehensive technical and functional architecture specifications.
- **Technical Project Management, Task Allocation & Code Review**
Sprint planning, backlog estimation, task delegation across developer squads, and rigorous code reviews enforcing clean architecture, security, and scalability standards.
- **AI Document Processing & Automated Accounting Systems**
Architected an intelligent invoice processing portal using Gemini LLM for PDF data extraction, VAT/tax perception breakdown, and direct PRESEA ERP accounting synchronization.
- **Conversational AI Agents on WhatsApp**
Designed finite state machine conversational flows with OCR on WhatsApp Business Cloud API for interpreting medical prescriptions, automated cart assembly, and MercadoPago checkout.
- **Self-Service Retail Kiosks (Hardware & Software Engineering)**
End-to-end engineering of touchscreen retail totems featuring millisecond PRESEA inventory sync, physical POINT/QR payments, and sub-2s AFIP/ARCA fiscal invoicing.
- **Enterprise Tier-1 ERP Synchronization**
Bidirectional real-time API integrations with enterprise ERPs: PRESEA, VTEX, and SAP Business One.

Museum of the Paraná River

Rosario, Argentina

Full Stack Developer

Dec. 2024 - May 2025

- **Institutional SPA Web Platform**
Architected and built a high-performance SPA institutional platform utilizing Laravel and Vue 3 (Composition API).
- **Automated Ticketing & Live Capacity Booking Engine**
Engineered an automated reservation engine enforcing strict live visitor capacity and schedule management.
- **Custom Back-Office CMS Administration Panel**
Created an intuitive CMS administration panel for curating cultural heritage, editorial news, exhibitions, and multimedia.

Shop365

Argentina

Full Stack Developer

Oct. 2022 - Aug. 2024

- **Multi-Tenant E-Commerce Marketplace Architecture**
Developed multi-vendor marketplace architecture powering independent merchants with custom storefronts and persistent carts.

- **Transactional Messaging Automation via WhatsApp API**
Implemented automated transactional messaging for instant purchase notifications, order tracking, and customer alerts.
- **Payment Gateway Integration & Automated Settlements**
Integrated MercadoPago API for dynamic payment links, instant checkouts, and automated payout settlements.

National University of Rosario (UNR)
Rosario, Argentina

Web Application Developer
Aug. 2018 - Present

- **Mission-Critical University Enterprise Platforms**
Engineered institutional systems for central administration: student scholarships, digital degree verification, and official electronic records.
- **Functional Academic Discovery & Relational Data Integrity**
Architected PostgreSQL schemas enforcing strict transactional consistency and immutable audit logs.

FEATURED ENGINEERING PROJECTS (CASE STUDIES)

- **Grain Origination ERP & Spot Trading Terminal (AgroTech Sector)**
End-to-end wheat procurement platform: daily pricing broadcast via WhatsApp API, AI offer extraction to structured JSON, electronic shipping bills, and continuous ERP sync.
- **Intelligent Invoice Parser & Accounting Reconciliation (Retail Sector)**
Multichannel ingestion portal (Email, WhatsApp, FTP) utilizing Gemini LLM for tax breakdown and automated PRESEA ERP posting.
- **Conversational Prescription AI Agent (Healthcare & Cosmetics)**
State-machine driven WhatsApp Cloud API assistant with OCR medical prescription interpretation and MercadoPago checkout.

EDUCATION & CREDENTIALS

Software Engineering - Universidad Abierta Interamericana (UAI)	2019 - 2021
Computer Systems Analyst (Official Degree) - Instituto Zona Oeste (IZO)	2015 - 2018
Full Stack Web Developer - Digital House Argentina	2019 - 2020
English Language Studies (Advanced Two) - ARICANA	2019 - 2020

TEACHING & MENTORSHIP

- **Argentina Programa 4.0 - Full Stack Programming Tutor**
150 teaching hours delivered, training hundreds of students in HTML, CSS, JavaScript, PHP, Laravel, and Linux.
- **Club de Chicas Programadoras - Volunteer Instructor**
Promoting early technology careers and foundational digital literacy.