

# Juan José Lozano Vargas

AI Engineer · Automation Architect · CEO

Bogotá, Colombia · Available immediately

## PROFESSIONAL SUMMARY

I am a self-taught AI engineer and automation architect who has spent the last five years building technology from the ground up inside a real company, with real budgets, real deadlines, and real accountability. I started on the sales floor learning the business inside out, moved into running key accounts, and then took on the full digital transformation of the company: ERP migrations, BI infrastructure, automation pipelines, and applied AI. Since 2025 I have been CEO with a clear technology mandate. In that year alone, the optimizations we shipped across sales, admin, and logistics added 5% to net profit. Everything I have built has been driven by a simple question: what is the manual, painful, or slow thing that technology could fix right now?

## EXPERIENCE

### CEO, Technology and Innovation

January 2025 – Present

Suraelec · Wholesale Electrical Goods · Bogotá, Colombia

- Led the company's technology and innovation strategy and closed 2025 with a 5% net profit increase driven entirely by process optimization across sales, administration, and logistics.
- Designed and deployed multi-agent n8n workflows that automatically receive, read, classify, and route inbound documentation from our key accounts, turning a daily manual task into something that runs itself.
- Built a WhatsApp Business API integration connected directly to our Odoo accounts receivable data. Every week, clients receive personalized payment reminders without anyone touching a keyboard.
- Developed a multi-user inventory management app with QR scanning so warehouse staff can run a full physical inventory count in real time instead of paper and Excel.
- Currently building the Suraelec product catalog in Next.js 15 with Supabase, including an internal training portal with role-based access and MDX content authoring.
- Oversee all technical infrastructure including Odoo 19, Microsoft 365, AWS, Supabase, Railway, and Docker.

### Digital Transformation Lead and Full-Stack Developer

2020 – 2024

Suraelec · Bogotá, Colombia

- Took ownership of the company's entire digital ecosystem starting from zero. No systems existed when I started this phase.
- Executed the full migration from SAP to Odoo 19: chart of accounts with over 2,100 PUC accounts, opening balances, inventory with a custom SKU system covering 5,700 products, and full Colombian tax configuration.
- Connected Odoo with Microsoft 365 and built Power BI dashboards that gave leadership real visibility into the business for the first time.
- Introduced n8n as the company's automation backbone and built reusable workflow templates that other processes now build on.
- Integrated LLM APIs from OpenAI, Anthropic, and Gemini into internal tools to bring intelligence into document processing, client communication, and financial workflows.

### Sales Representative, Key Accounts

2017 – 2020

Suraelec · Bogotá, Colombia

- Managed two strategic B2B accounts and grew combined annual revenue from under COP 1 billion to over COP 1.5 billion, a 50% increase over three years.
- Built deep product expertise across the full electrical goods catalog, which later became the foundation for every digital catalog and classification system I designed.

## KEY PROJECTS

### Accounts Receivable Notification System

WhatsApp Business API, Odoo, Python. Reads live receivables data from Odoo and sends personalized weekly payment reminders to clients via WhatsApp. Fully automated with zero manual intervention after setup.

### Multi-Agent Email Documentation Orchestrator

n8n, OpenAI API, Anthropic API. AI agents receive inbound emails from key accounts, extract structured data from PDF attachments, classify documents, and route them to the correct internal workflows automatically.

### Multi-User Inventory Management App

React, Supabase, QR scanning. Warehouse staff scan product codes and record physical inventory counts in real time. Replaced a paper-based process that was taking days to reconcile.

### Suraelec Product Catalog Platform

Next.js 15, TypeScript, Tailwind v4, Supabase, Railway. Full B2B product catalog with live Odoo sync, a role-gated internal training portal, and admin tooling for product management. In production.

### SAP to Odoo 19 ERP Migration

Full company ERP migration covering 2,100 accounts, opening financial balances, a custom SKU system for 5,700 electrical products across 40 categories, and complete Colombian tax compliance setup.

## TECHNICAL SKILLS

---

<b>AI and Automation</b>	n8n, AI Agents, Prompt Engineering, OpenAI API, Anthropic API, Gemini API, LangChain
<b>Languages</b>	Python, JavaScript, TypeScript
<b>Frontend</b>	React, Next.js 15, Tailwind CSS v4
<b>Backend and Data</b>	Supabase, PostgreSQL, REST APIs, Webhooks, Docker, AWS, Railway
<b>ERP and BI</b>	Odoo 19, SAP Business One, Microsoft 365, Power BI
<b>Other</b>	Git, WhatsApp Business API, JSON-RPC, MDX

## EDUCATION

---

<b>Advertising, Undergraduate Program</b> Universidad Central · Bogotá, Colombia	2021 – Present
<b>Self-Taught Software and AI Development</b> Python, JavaScript, AI systems, full-stack web development, automation architecture	2020 – Present

## A BIT ABOUT ME

---

Outside of work I am a father first. My daughter was born two years ago and has completely changed the way I think about time, priorities, and what matters. It has also made me more focused: when you have limited hours, you get better at using them.

I cycle regularly, which is where I do most of my thinking. I am also passionate about photography and videography, and I document adventure sports whenever I get the chance, whether that means being behind the camera during a climbing trip or filming a mountain bike descent. There is something about capturing a moment that forces you to actually pay attention to what is happening.

I read constantly, mostly across technology, business, and human behavior. I find that the best ideas for technical problems usually come from somewhere completely unrelated to technology.

I am someone who builds things. Not because it is my job but because I genuinely cannot help it. If I see something broken or slow or inefficient, my first instinct is to figure out how to fix it. That is probably why I ended up doing this kind of work.