Daniel Josue Martinez Lopez

AI Automation and Integrations Business Solutions AI Assisted Development

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Professional Summary

Self-taught technology implementer with two and a half years of client project experience and over 2 years of practical AI use. Research documentation and online resources, select suitable tools, and integrate or adapt them into working solutions. Experience spans AI workflows, ERP, web applications, databases and business dashboards, using AI-assisted development.

Technical Skills

AI and integration: Advanced use of AI models tailored to specific requirements; AI agents; MCP; APIs; webhooks; functional testing.

Data and business tools: Database management; data visualization; ERP dashboards; SQL/PostgreSQL; Supabase; Odoo; knowledge of Power BI.

Development and deployment: Basic Python and JavaScript; reading Python snippets to guide AI-assisted changes; practical Docker/VPS use; GitHub; Vercel; Hostinger.

Project Experience

Agenc-IA (own venture) and Hinco | ERP, CRM and AI automation

- Implemented and adapted two ERP systems to business requirements through AI-assisted development, working with data structures and workflows. Both ERP systems are on hold.
- Develop AI-agent workflows and messaging integrations with APIs and webhooks; run functional tests and use Docker and VPS services for deployment.

NeuroSupport | Odoo ERP and client website

- Adapted Odoo and existing modules through AI-assisted development for equipment requests, inventory, deliveries, returns and consumption tracking. The ERP itself has no AI components.
- Completed three real end-to-end WhatsApp tests and equipment workflow simulations. Integration remains in validation; no testing involved clinical operations.

Horus Optic | E-commerce and administration

Initial development: July 2025 - January 2026. Store in operation.

- Delivered a Next.js/TypeScript store through AI-assisted development with catalog, cart, appointments, authentication, Wompi payments and an admin panel.
- Integrated Supabase/PostgreSQL and transactional emails; deployed on Vercel and configured the domain in Hostinger.

horusoptic.com.co

Additional projects: Created websites for ASK Painting and Colegio Santa Rosa de Lima Soacha; provide Google Workspace support for the school. Experiment with multi-step agents, skills and MCP in an automation lab.

Education and Certifications

Computer Engineering | Universidad de Catalunya

Coursework completed; required internship and degree pending. The university can issue an internship letter.

IT Systems Technician | Centro Educativo San Pablo

SQL Associate | **DataCamp** | May 1, 2024 | ID SQA0015271926392

Web Programming Bootcamp | **Talento Tech Oriente** | **2025** | HTML, CSS, JavaScript, Python

Languages: Native Spanish; English B1.