Daniel Josue Martinez Lopez

Databases and Data Visualization Business Dashboards ERP Systems

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Professional Summary

Self-taught technology implementer focused on database management and data visualization, with two and a half years of client project experience. Implement business dashboards within ERP systems and use SQL/PostgreSQL and Supabase to support business applications. Research documentation to select, integrate and adapt tools. DataCamp SQL Associate credential; knowledge of Power BI.

Technical Skills

Data and visualization: Database management; relational models; business dashboards in ERP; SQL/PostgreSQL; Supabase; knowledge of Power BI.

Business systems: ERP/CRM; Odoo and existing modules; inventory; orders; customers; consumption tracking; requirements analysis; functional testing.

Development and integration: AI-assisted development; basic Python and JavaScript; reading Python snippets; Advanced use of AI models and agents tailored to specific requirements; APIs; webhooks; practical Docker/VPS use.

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.

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

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.

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.