

Fernando Bermúdez Obrero

Automation & AI · Solutions, integration & technical consulting

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Personal site & portfolio: fbermudez.dev

PROFILE

Web developer and process-improvement specialist, trained in Lean and Six Sigma in multinational industrial environments. My role is to help businesses identify bottlenecks and inefficiencies in their processes and build real, measurable solutions through custom development and artificial intelligence.

EXPERIENCE

Technology partner · Solutia (RBImprove, S.L.) · Olot Oct. 2023 – Present

- Requirements analysis with the client: gathering of business needs, identification of improvement opportunities and translation into functional specifications.
- End-to-end solution development: design and implementation of automations, AI agents (LLM, RAG) and custom integrations between the client's systems (ERP, CRM, email, WhatsApp, calendar) via REST API, webhooks and JSON-RPC, using Python, Node.js, PostgreSQL and Docker.
- Roll-out and support: production deployment, documentation and support to teams to ensure robust, maintainable solutions.

Production supervisor · Zoetis Manufacturing & Research · Olot May 2015 – Sept. 2023

- Member of the plant's Lean Team: continuous-improvement projects, standardization and waste reduction against measurable indicators.
- Supervision and management of teams and processes; technical operations in the start-up of new areas.
- Interpretation of production indicators to prioritize actions and sustain improvement over time.

TECHNICAL SKILLS

AI & LLM	Agents · Claude API · OpenAI API · RAG & embeddings · fine-tuning · MCP · knowledge graphs
Automation, integration & connectivity	n8n · REST API · webhooks · ERP/CRM (Odoo, Chatwoot) · WhatsApp (Evolution API & Meta Cloud API) · Telegram · OCR
Programming & frameworks	Working knowledge of: Python · JavaScript / TypeScript · SQL · Node.js · React · Next.js
Data & infrastructure	PostgreSQL · Redis · Qdrant · Supabase · Docker · VPS
Consulting & method	Requirements gathering · functional specifications · project management · continuous improvement

EDUCATION

2025	Higher Diploma in Web Application Development (DAW) — ILERNA
2024	Master's in Generative AI — Racks Academy / URJC
2025	Anthropic Academy — Claude API · MCP · Agent Skills · Claude Code — Anthropic
2016–22	Lean & Six Sigma (Yellow & Green Belt) · Supply Chain (APICS) — Zoetis

LANGUAGES

Catalan — native · Spanish — native · English — advanced (B2)