

Eva Fernández Aguilera

AI Automation Engineer · Generative AI, LLM Agents & AI-Powered Applications

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LLM agents

built and deployed with tool calling on Odoo ERP and client messaging

30+ → 0 h

data sources consolidated; daily manual financial reporting eliminated

>99%

report accuracy through automated validation and anomaly alerts

iOS + Android

NomadOS: full-stack AI app, designed and built solo, live in both stores

SUMMARY

AI Automation Engineer with 4+ years in financial data operations and process automation, now building **Generative AI** solutions for real clients: **LLM agents** with tool calling connected to ERP systems, LLM-based classification and routing, and a production data platform integrating Shopify, Amazon and Odoo. Solo founder-developer of NomadOS, a TypeScript/Supabase app with AI features. Economics and International Relations background, so solutions are built around business impact, data quality and traceability. Completing a Master's in Generative AI Engineering (Nov 2026).

EXPERIENCE

- AI Automation Engineer (Freelance) · EF Data Solutions · Remote

Sep 2024 – Present

Independent practice delivering AI agents, automation and custom software.

 - Built and deployed a **WhatsApp AI agent** that let a client's executives manage their **Odoo ERP** in natural language: an LLM with multiple Odoo tools (**tool/function calling**) interpreted each instruction and executed the record changes directly in the ERP.
 - Built and deployed an **LLM-based message triage** system for a law firm that classified incoming client messages by legal practice area and routed each one to the right team.
 - Engineered a **custom data platform**, running in production, for an international consumer-products brand: daily ingestion from the **Shopify, Amazon and Odoo APIs** into structured tables, powering SQL-based queries and reporting dashboards for sales and operations.
 - Deliver **Odoo ERP automations and custom business platforms** for SMB clients.
 - Automated a client's daily sales reporting (multi-source consolidation, validation, anomaly alerts, tailored distribution per department): **2.5 h of daily manual work → 15 min** unattended.
 - Build custom applications in **Python** (FastAPI) and **TypeScript** with AI-assisted engineering (**Claude Code**), versioned with Git/GitHub.
- Data Operations Analyst · Tier1FX (regulated FX & CFD brokerage) · Remote, Malta

Oct 2024 – Present

 - Automated daily and weekly financial reporting (P&L, exposure, liabilities, currency positions) by consolidating **30+ data sources** through APIs, RPA-style extraction, **Python** and **n8n**, cutting 2–3 hours of daily manual work to zero.
 - Implemented automated validations, reconciliations and anomaly alerts, reaching **>99% report accuracy**.
 - Built and maintain data pipelines between internal systems, CRMs and external platforms via REST APIs and webhooks; developed Power BI and Excel (VBA, Power Query) dashboards for P&L, risk exposure and hedge positions.
- Back Office & Support Agent · Tier1FX · Remote, Malta

Mar 2022 – Oct 2024

 - Ran back-office operations and regulatory reporting with compliance, risk and external auditors; automated recurring ETL for reports, which led to the promotion to Data Operations.

PROJECTS

NomadOS · **Founder & Solo Developer** · nomados.app

Apr 2026 – Present

- Designed, built and launched a **cross-platform app** for digital nomads, live on the **App Store** and **Google Play**: trip planning, visa tracking with a Schengen 90/180 calculator, multi-currency expenses, encrypted document storage, real-time community chat and meetups.
- Full-stack TypeScript**: React 18, Vite, Tailwind, TanStack Query; **Supabase** (PostgreSQL with Row Level Security, OAuth, Storage, Realtime, Deno Edge Functions); Capacitor for native iOS/Android with offline-first caching.
- Integrated **LLMs (Gemini, OpenAI)** for AI visa recommendations, city guides and day-by-day itineraries; Stripe + RevenueCat subscriptions; push via FCM/APNs; tests with Playwright and Vitest.

Multimodal Conversational Product Search for E-commerce · **Project Lead**, Master's thesis (team of 3)

2026

- Lead the project: designed the work plan and phase gates, set up the team's GitHub repository structure and review teammates' work across data pipeline, retrieval and evaluation.
- Own the **query-understanding agent**: LLM intent classification, **structured-output / function-calling** filter extraction and query reformulation; and the product layer (**FastAPI** + Streamlit).
- Team-built **hybrid search** (dense embeddings + BM25 with RRF, cross-encoder re-ranking, CLIP image embeddings, Qdrant, MLflow), evaluated with Recall@k, MRR and NDCG on the real catalog of an **international children's fashion brand present in 60+ countries**.

TECHNICAL SKILLS

Generative AI & LLMs

Large Language Models (LLMs)AI AgentsTool / Function Calling

Structured OutputsPrompt EngineeringConversational AI

RAG & Semantic Search

LLM Platforms & Frameworks

OpenAI APIAnthropic API (Claude)Google GeminiLangChainLangGraph

MCP

Engineering

PythonTypeScriptReactFastAPISupabaseREST APIGit / GitHub

DockerClaude Code

Automation, Integrations & Data

n8nOdoo ERPPower AutomateShopifyWhatsApp Business API

ETL PipelinesPower BIExcel VBA / Power Query

Working knowledge

SQLQdrantHugging FaceStreamlitAWS / Azure / GCP

EDUCATION

Master's in Generative AI Engineering and Solution Development

EBIS Business Techschool & Universidad de Vitoria-Gasteiz (EUNEIZ) · Expected Nov 2026

Double Bachelor's in Economics and International Relations

Universidad Rey Juan Carlos, Madrid · 2023

CERTIFICATIONS

Microsoft Office Specialist: Excel Expert

Microsoft · 2026

Training: Prompt Engineering for AI (2025) · n8n AI Agents (2025) · Python for Data Science & ML (2024)

LANGUAGES

Spanish Native · English C1 · Italian C1 · Mandarin Elementary (HSK 3 level)