

MARTÍN RODRÍGUEZ

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SUMMARY

Software engineer with 4+ years across **Backend Development** and **Automation Engineering**. Currently building ETL pipelines connecting 5+ financial systems. Strong foundation in Python and TypeScript with a test-first approach grounded in hands-on automation experience.

EDUCATION

Universidad Argentina de la Empresa (UADE) | 2025 – Present
B.S. in Data Science and Artificial Intelligence

EXPERIENCE

FIS - Backend Developer

Jacksonville, FL (Remote from Argentina) — Jun 2024 – Present
ETL Workflows · REST APIs · B2B Integrations

- Built 5+ production data integrations across REST, SFTP and polling sources, owning the full cycle from requirements and field mapping to deployment.
- Eliminated 100% manual reconciliation across 5+ client integrations by replacing spreadsheet workflows with automated transformation and validation pipelines.

The Home Depot - Automation Engineer

Atlanta, GA (Remote from Argentina) — May 2022 – Jun 2024
Javascript · Selenium · Cucumber

- Led QA Automation in 3 projects, directing test strategy with Selenium, Cucumber, and Javascript.
- Built reusable frameworks that cut regression cycle time by over 40%.

PROJECTS

Aerle — AI-native second brain with semantic retrieval

Next.js · React · libSQL · Tailwind

- Architected a multi-provider AI layer (Llama + GPT + Embeddings) for voice transcription, LLM enrichment, and tool-calling agents that organize notes and folders.
- Built a RAG pipeline with semantic search over vector embeddings: feeds a user's most relevant notes to the LLM as grounded context, returning answers with structured source citations instead of generic output.
- Shipped 25+ API routes with AES-256-GCM encryption for user content, per-resource auth guards and Google OAuth integration.

MAP (Multi-Agent Pipeline) — Prompt-to-Spec system with configurable AI teams

Next.js · React · PostgreSQL · Prisma · Redis

- Built a configurable multi-agent pipeline that transforms raw ideas into production-ready specs through sequential validation stages, with 20+ API endpoints and a relational schema spanning 10+ models.
- Designed a prompt orchestration engine with configurable personas, versioned artifacts and frozen prompt snapshots for reproducibility.

SKILLS

AI: RAG, LLM integrations, agentic workflows, prompt engineering.

Programming Languages: TypeScript, Python, SQL

Backend & Data: Node.js, Express, PostgreSQL, Docker, Prisma, ETL Pipelines

Frontend: React, Next.js, Tailwind

Languages: Spanish (Native), English (C1 Advanced – Cambridge)

CERTIFICATIONS

- CS50x — Harvard University
- C1 Advanced — Cambridge English