

Francisco Miguel Perez

Applied AI Engineer | Multi-agent systems, RAG pipelines, LangChain/LangGraph | Workflow automation

Tucumán, Argentina (GMT-3) · On-site, hybrid or remote

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SUMMARY

Nearly three years of industry experience building clean and scalable systems. I evolved from full-stack engineering into designing applied AI solutions and workflow automations: multi-agent systems, RAG pipelines, tool calling and context control. I bring product sense to build systems that drive business value, plus experience leading technical courses and workshops. NASA Space Apps 2024 national winner.

EXPERIENCE

AI Engineer — RepuestoShop Dec 2025 – Present · Remote

- Architect and deploy multi-agent systems and custom RAG pipelines with LangChain and LangGraph, focused on agent harness engineering, tool calling and context control.
- Designed a multi-agent assistant (LangGraph) with RAG over scraped catalog data to answer customer questions.
- Benchmark LLM providers for the best cost/quality trade-off in production; use Codex and Claude Code to deliver production-ready POCs fast.

Full-Stack & Automation Developer — Freelance Projects Nov 2025 – Aug 2026

- Co-built a tax-deadline management platform for an accounting firm: approval flows, change history and Google Calendar/Gmail integration. Running in production.

Instructor, Process Automation with n8n — Poder Judicial de Tucumán Sep 2025 – Oct 2025

- Designed and taught a 20-hour course on n8n, APIs and automation workflows for court staff; presented the automation strategy to leadership.

Product Engineer — RollingCode Studio Oct 2024 – Dec 2025

- Built frontend and backend features for client web projects; introduced n8n automations and explored practical AI tools through working POCs.

TECH STACK

AI & agents	LangChain, LangGraph, multi-agent systems, RAG, tool calling, context control, LLM APIs (OpenAI, Anthropic, Gemini)
Automation & data	n8n, APIs and webhooks, Human-in-the-Loop workflows, web scraping pipelines, Meta APIs, Google Workspace APIs
Languages	TypeScript, JavaScript, Python, SQL
Web & Cloud	React, Next.js, Node.js, Express, PostgreSQL, MongoDB, Supabase, AWS, Vercel
Tooling & practices	Codex, Claude Code, Git, Git Flow, CI/CD, Scrum

PROJECTS & AWARDS

NASA Space Apps 2024 — National Winner: ExoGames, national winning project (Buenos Aires hackathon, virtual). National competitor again in 2025.

Proofy — Solana hackathon, 2026: Web app with an AI agent that turns a contract's scope into verifiable milestones and releases escrow payments on CI/CD evidence. proofyai.vercel.app

EDUCATION

B.S. Information Systems Engineering — Universidad Tecnológica Nacional (UTN-FRT)
Feb 2022 – Dec 2027 (expected)

LANGUAGES

Spanish (native) · English (fluent) · Russian (basic)

CERTIFICATIONS

AI Foundations · Applied AI Foundations · Agents and Workflows · OpenAI Academy · Aug – Sep 2026 · **AI Essentials · Prompting Essentials** · Google (Coursera) · Sep – Oct 2025 · **Data Engineer** · RollingCode School · Jun 2025 – Oct 2025 · **Full-Stack Developer (MERN) — Outstanding Student** · RollingCode School · Nov 2022 – Sep 2023 · **Advanced React** · RollingCode School · May 2024 – Sep 2024 · **Advanced Next.js** · RollingCode School · Jun 2025 – Nov 2025