

Leandro Alvarez

Senior Android Engineer · AI Agent Systems

Argentina · GMT-3 · Remote
leanalvarez.dev@gmail.com · leanalvarez.com
github.com/LeanAlvarez · linkedin.com/in/leandro-alvarez

SUMMARY

Senior Android engineer with 5+ years shipping native mobile products in Kotlin and Jetpack Compose, now building agentic AI systems that run in production. I work the full path from model to device: LangGraph orchestration, RAG over Postgres/pgvector, FastAPI service layers, and native Android clients. Most of my work happens under real constraints — small budgets, no ML team, systems that have to keep running unattended. Available for remote contract work.

EXPERIENCE

AI Engineer — Tec5 Apr 2026 – Present · Remote

AI and automation systems for small and mid-sized businesses — the segment where an agent has to work reliably on a small budget, without an ML team behind it.

- **Agent orchestration:** LangGraph state machines for non-linear business workflows, with checkpointing and human-in-the-loop approval gates.
- **Retrieval:** RAG pipelines over PostgreSQL with pgvector — chunking, embedding and retrieval tuned per domain rather than off the shelf.
- **Service layer & integration:** FastAPI backends exposing agent logic to web and mobile clients; n8n as the automation surface connecting agents to the tools clients already use.

AI Agent Architect — Freelance Oct 2025 – Present · Remote

- **Multi-agent orchestration:** Cyclic LangGraph state machines handling business logic that doesn't fit a linear chain.
- **State & persistence:** Long-term memory and checkpointing so agents resume complex tasks across sessions.
- **Observability:** LangSmith for full-trace auditing, prompt versioning, and finding the bottlenecks that drive token cost and latency.
- **Delivery:** FastAPI backends bridging agent logic to Android and web clients.

Senior Android & AI Engineer — AGOS Jan 2025 – Apr 2026 · US (Remote)

Native Android in Kotlin, Jetpack Compose and MVVM within a distributed Scrum team. Led the integration of generative AI into the mobile stack, designing agentic workflows to improve UX and automate internal data processing. Architected local persistence with Room against complex REST APIs.

Android Tech Lead — Develop MX Mar 2023 – Jan 2025 · Mexico (Remote)

Led a team of 5 building native Android applications from scratch. Kotlin, MVVM, Jetpack Compose, Room, Retrofit. Owned architecture decisions, performance work, and delivery under Scrum.

Fullstack & Mobile Developer — Fadel S.A. May 2022 – Mar 2023 · Argentina

Native Android in Kotlin, backend APIs in Node.js/Express against SQL Server, and internal tooling in React. Unit testing and agile delivery.

Android Mentor — Alkemy Jan 2022 – Jan 2023 · Argentina

Tech lead, coach and Scrum master for junior developers through a five-week simulated client project in the Alkemy accelerator.

SKILLS

AI / Agents	LangGraph, LangSmith, multi-agent systems, RAG, pgvector, prompt engineering, evals
Mobile	Kotlin, Jetpack Compose, MVVM, Clean Architecture, Room, KMP
Backend	Python, FastAPI, Node.js, PostgreSQL, SQLite, REST APIs, Docker
Automation	n8n, self-hosted VPS, Dokploy, Tailscale
Platforms	OpenAI API, Azure OpenAI, Firebase, GCP

EDUCATION

Systems Analyst
University of Entre Ríos · 2012 – 2016

Bachelor's Degree in Systems
Higher Studies School of Buenos Aires · 2001 – 2007

TRAINING

AI Agent Architecture (LangGraph & LangSmith) — Platzi, 2025

RAG & AI Observability — Platzi, 2025

Android Architecture & Design Patterns — Platzi, 2021

LANGUAGES

Spanish — Native

English — B2

Portuguese — B1