



Alejandro García Iglesias

SENIOR SOFTWARE ENGINEER — APPLIED AI

📍 Buenos Aires, Argentina

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Professional Summary

Senior Software Engineer with 19+ years of experience spanning full-stack web development, deep frontend and product engineering, and a recent focus on Applied AI systems.

I build end-to-end AI products combining product thinking, frontend, backend, retrieval, integrations, and agent workflows to solve concrete operational problems.

I work autonomously from problem definition and experience design through implementation, evaluation, and iteration, applying senior engineering judgment in close collaboration with Product and Design.

FOCUS AREAS

- Applied AI systems and software engineering
- End-to-end AI product engineering
- RAG, document retrieval, and knowledge-intelligence workflows
- MCP integrations and AI agents
- LangGraph and multi-model orchestration

Skills

LLM Applications

Retrieval-Augmented Generation (RAG)

Embeddings

Vector Search

Hybrid Retrieval & Reranking

PostgreSQL & pgvector

Mastra

Agent Orchestration

Model Context Protocol (MCP)

LangGraph

AI Evaluation & Benchmarking

Product Discovery

TypeScript

JavaScript

React

Next.js

Node.js

API Integration

Experience

Independent Product R&D & AI Consulting

Apr 2026 – Present

Senior Software Engineer — Applied AI

- Partnered directly with Juana Casa's two founding partners and studio team to understand and define their needs around access to project and operational knowledge. From that discovery, I built the solution end to end: an initial React/Next.js AI assistant with Mastra and source-backed RAG, followed by specialized agents built with Hermes Agent and integrated with Slack and WhatsApp.
 - The knowledge-access problem identified with Juana Casa inspired an independent AI knowledge-intelligence product I am developing for companies, with the studio set to serve as its first real-world implementation; I am building a reusable layer with source-backed RAG and an authenticated MCP server that gives AI assistants and agents access to company documents and structured operational data.
 - Built and maintain **Hermes Dreaming**, an open-source Python memory-consolidation plugin for Hermes Agent with scheduled, reviewable workflows, persistent state, tests, and lifecycle tooling.
 - Developing an adaptive multi-model research system built with LangGraph; implemented 14 distinct multi-model workflows across multiple AI providers, validated the end-to-end pipeline on a small engineering test run, and began exploratory evaluation with AA-Omniscience under practical cost and latency constraints.
 - Evaluated and refined AI-assisted product design and development workflows across discovery, prototyping, implementation, testing, and review, combining coding and design agents with explicit human verification throughout.
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Rotunda Software

Apr 2022 – Apr 2026

Senior Frontend Engineer · Remote

- Worked within a microservices-based architecture using a custom internal frontend framework, implementing Node.js and Express API endpoints to support frontend features.
 - Led the evolution of the internal UI library (ModUI), improving APIs, simplifying styling systems, and increasing consistency.
 - Drove large-scale frontend refactors, including migrations of multiple applications and marketing sites.
 - Acted as the main frontend reference across the team, supporting developers in UI-related decisions and implementation.
 - Collaborated with backend, design, QA, and marketing to define technical and product solutions, implementing features from Figma designs and proactively identifying UX and implementation improvements.
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BairesDev

Mar 2020 – Mar 2022

Senior Frontend Engineer · Remote

- Worked on Pinterest's Experiments team, implementing and testing React UI variations in the core consumer product to support product experimentation.
 - Developed and owned the UI layer of internal advertising reporting tools, defining their information architecture and data presentation.
 - Expanded into backend responsibilities, learning Go and implementing APIs to deliver features.
 - Collaborated in distributed teams and participated in code reviews and testing.
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Mapme

Nov 2016 – Dec 2019

Senior Frontend Engineer · Remote

- Helped evaluate and introduce Vue.js for a full rewrite of a Mapbox GL map-based product, then led the frontend implementation of the redesigned application from scratch.
 - Built a component-based architecture with Vue and Vuex, including reusable UI components designed for maintainability and scalability.
 - Collaborated closely with the CTO and CEO, translating business needs into practical, user-friendly UI solutions, often without formal designs.
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Deviget

Dec 2013 – Apr 2016

Frontend Developer · Remote

- Worked on a large-scale advertising platform (AppNexus).
 - Built modular UI components using AngularJS with strong testing practices.
 - Contributed to frontend structure improvements and CSS organization.
 - Participated in Style Guide development.
 - Collaborated in distributed cross-functional teams.
 - After AppNexus, built a React-based administration UI for corporate security policies for another client engagement.
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Vulsai

2012 – 2013

Frontend Developer · Buenos Aires, AR

- Primary frontend developer across multiple projects.
 - Introduced modern CSS tooling (Sass, Less, Compass), improving maintainability and structure of styles.
 - Built data visualization interfaces using D3.js.
 - Developed self-contained embeddable widgets.
 - Collaborated closely with design.
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Earlier full-stack experience across four roles building web applications end-to-end with frontend, backend, APIs, databases, and infrastructure.

 See my full experience on LinkedIn: [in/alegarciaiglesias](https://www.linkedin.com/in/alegarciaiglesias)
