



Alejandro García Iglesias

SENIOR SOFTWARE ENGINEER

Frontend, Product Engineering & Applied AI

📍 Buenos Aires, Argentina

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Professional Summary

Senior Software Engineer with 19+ years of experience, starting in full-stack web development before specializing deeply in frontend architecture, JavaScript/TypeScript, React, and production UI systems.

My work has grown increasingly product-oriented: I collaborate closely with Product and Design, translate ambiguous needs into practical solutions, and take end-to-end ownership across UX, architecture, implementation, APIs, and technical trade-offs.

More recently, I have focused on Applied AI systems and AI-powered products, building retrieval and agent workflows, integrations, evals, and multi-model experiments on top of a broad software engineering foundation.

FOCUS AREAS

- Product-focused software engineering and end-to-end ownership
- Frontend architecture, UI systems & design systems
- Applied AI products, retrieval & agent workflows
- System design, APIs & integrations
- Senior Software Engineering roles spanning Frontend, Product & Applied AI

Skills

Frontend Architecture

Full-stack Development

React

TypeScript

JavaScript

Design Systems

System Design

Product & UX Collaboration

Technical Leadership

Requirements Definition

Node.js

API Design & Integration

Retrieval-Augmented Generation (RAG)

Hybrid Search & Reranking

AI Agents

MCP Integrations

LangGraph

Mastra

AI Evaluation & Benchmarking

AI-assisted Development Workflows

Experience

Independent Product R&D & AI Consulting

Apr 2026 – Present

Senior Software Engineer — Product & Applied AI

- Partnered with Juana Casa's two founding partners and studio team to translate project and operational knowledge needs into a React/Next.js AI assistant with Mastra, source-backed RAG, and specialized agents built with Hermes Agent and integrated with Slack and WhatsApp.
 - Developing an independent knowledge-intelligence layer for companies based on that real-world problem, combining vector and full-text retrieval, reciprocal-rank fusion, reranking, bounded multi-hop retrieval, evaluation, and authenticated MCP 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, and lifecycle tooling.
 - Built an experimental LangGraph research lab for multi-model inference across multiple providers, implementing 14 orchestration workflows—including mixture-of-agents, solver/verifier, routing, and orchestrator/worker patterns—and exploring factuality, quality, latency, and cost trade-offs through reproducible benchmarks.
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Rotunda Software

Apr 2022 – Apr 2026

Senior Frontend Engineer · Remote

- Acted as the main frontend reference across the team, supporting developers in UI-related decisions and implementation.
 - 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.
 - Built interactive documentation and standardized reusable UI patterns and styling conventions, improving onboarding, consistency, and design-to-development handoff.
 - Improved frontend tooling and local development workflows, reducing friction for the engineering team.
 - 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.
 - Worked within a microservices-based architecture using a custom internal frontend framework, implementing Node.js and Express API endpoints to support frontend features.
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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 end to end.
 - 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)
