

BRUNO TAGLIANI

Senior Software Engineer · Applied AI

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Uruguay · Remote

PROFILE

I build agents that do real work, and the reliable systems underneath them. Twelve-plus years shipping Ruby on Rails, React, and TypeScript products. At Circle I work on CircleAI, an in-product agent that changes real data for community admins: its human-in-the-loop controls, planner, tool lifecycle, memory, and evaluation.

5/10 → 10/10

Replayed planner failure after resolve-before-mutate

~100 tools

Guarded by the confirmation framework I designed

40 → 1,500

Requests per second after my API work at HomeLight

12+ years

Rails, React, and TypeScript in production

EXPERIENCE

CIRCLE

Mar 2025 — Present

Remote

circle.so

Senior Software Engineer, Applied AI

CircleAI, the in-product agent community admins use to change real data: spaces, members, workflows, paywalls, events, and courses.

- Designed CircleAI's **human-in-the-loop layer**: a declarative confirmation rule on each tool and one approval card that works for the main agent, the planner, and background subagents. Teammates adopted it across about a hundred tools.
- Hardened the **multi-step planner**: Stop mid-execution, one approval card for parallel tool calls, idempotent decisions under row locks, claim → execute → reconcile so side effects never run inside a transaction, and resolve-before-mutate for entity IDs (replayed failure: 5/10 → 10/10).
- Built the **tool lifecycle** for an agent with hundreds of tools: per-conversation persistence, cascading unloads, and a compaction-time subagent that prunes unused tools at no per-turn cost.
- Built **memory**: community enrichment, structured memory with scopes derived from code, episodic search over past conversations, and “Dreaming,” a background process that consolidates support tickets and sales calls with idempotency ledgers, source precedence, and a daily budget.
- Made the **agent runtime** self-healing (re-pairing out-of-order tool results, atomic Redis run leases, mid-stream Stop) and measured behavior changes with before/after model evals, a blind LLM judge, and production replays. Internal-ID leaks in replies went from 9 of 10 runs to none.

Rails · React · TypeScript · Sidekiq · Redis · PostgreSQL + pgvector · Elasticsearch · Anthropic & OpenAI APIs

PORTRAIT

May 2024 — Mar 2025

Remote

portraitcare.com

Lead Software Engineer

A platform that helps aesthetics entrepreneurs launch and grow medspa businesses.

- Led a team of **ten developers**; introduced Rails design patterns and mentored the team on Interactors.
- Led a scheduling-system revamp that improved operational efficiency by **30%**.
- Added KrakenD and Keycloak to the architecture, AppSignal for logging and error reporting, and directed the design of a new Rails 8 backend.

TUNECORE

Dec 2022 - Apr 2024
Remote
tunecore.com

Senior Software Engineer

Music distribution for independent artists to streaming services and stores worldwide.

- Built and maintained Ruby, React, and Go services and integrated third-party service APIs.
- Worked with product management on specifications and delivery, resolved performance bottlenecks, wrote automated test suites, and mentored junior developers.

DECISIV

May 2016 - Dec 2022
Remote
decisiv.com

Lead Ruby on Rails Developer

Service relationship management software for commercial vehicle maintenance and repair.

- Upgraded a large monolith from Rails 3.2 to 4.2 and then 5.1, and migrated an Angular frontend to React.
- Built a portal with Rails 5 and Phoenix/Elixir that made access **40% faster**, and worked on Rails microservices.
- Led and mentored four developers with Scrum, BDD, and TDD, delivering within budget and timeline constraints.

HOMELIGHT

Aug 2015 - May 2016
Remote
homelight.com

Senior Backend Engineer

A real estate platform that matches buyers and sellers with agents.

- Raised API throughput from **40 to 1,500 requests per second** and cut load time by **70%**, to under three seconds.
- Led backend API projects behind a React frontend, including authentication and structured data, with RSpec and Cucumber coverage.

ISEATZ

Mar 2015 - Aug 2015
Remote · via BairesDev
iseatz.com

Backend Engineer

Booking technology for airlines, hotels, and financial services companies.

- Built backend systems with Rails, ZeroMQ, Protocol Buffers, Redshift, Redis, and Chef, and refactored legacy APIs for security, performance, and scale.

WYEWORCS

Jul 2013 - Mar 2014
Montevideo, Uruguay
wyeworks.com

Ruby on Rails Developer

The Montevideo Rails studio where I shipped my first production code for clients.

SKILLS

APPLIED AI

Agent orchestration, tool design, human-in-the-loop controls, retrieval and memory, LLM evaluation, Anthropic and OpenAI APIs

BACKEND

Ruby on Rails, Sidekiq, Redis, PostgreSQL + pgvector, MySQL, Elasticsearch, Go, Python, Elixir

FRONTEND

React, TypeScript, JavaScript, HTML and CSS

LEADERSHIP

Team lead for up to ten engineers, mentoring, design documents, and about a hundred PR reviews in 2026

EDUCATION

Bachelor of Engineering, Computer Science

Universidad Católica del Uruguay · 2009 – 2016
Languages: English, Portuguese, and Spanish

INTERACTIVE

This résumé also exists as a flight through a star system: each company is a planet, and the CircleAI chapter has a live human-in-the-loop demo. Visit [itsbr.uno](#).