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Felipe Afonso

SOFTWARE ENGINEER · FULL-STACK · END-TO-END OWNERSHIP

I work like an embedded product team of one: I take a problem from rough idea to a running product – design, build, deploy – with minimal hand-offs in between. I'm comfortable across the stack and across languages, so I can reach for the tool a problem wants rather than the one I happen to know, and I lean on AI as a multiplier on delivery speed.

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felipeafonso.com Brazil · Remote

~9 yrs shipping software

Full-stack across many stacks

M.Sc. CS – cross-platform dev research

Former Tech Lead of 5

Solo delivery, end-to-end

01 · EXPERIENCE

Software Engineer

May 2025 – Present

Venture Lab Niterra Group · United States

- ▶ Built Niterra Ventures, the internal system of record for the venture arm's entire investment lifecycle – portfolio companies and their quarterly financials, editable cap tables, scenario-based exit models, a deal funnel, expense and contract tracking, board-deck generation, and P&L / balance-sheet reporting.
- ▶ Consolidated an Affinity CRM workflow and eight sprawling spreadsheets into a single platform (8 → 1), now the daily system of record for 40+ people across the firm – 10+ of them in it 2+ hours a day.
- ▶ Cut the senior principal's quarterly portfolio deck from ~120 hours of manual work to a seconds-long export he finishes by hand in about a day.
- ▶ Wired live integrations (Affinity CRM, PitchBook, Webflow) and mapped Excel imports so quarterly company reports map straight in – saving ~1 hour per company per quarter with no re-keying.
- ▶ Iterated continuously on the platform's internal tooling to reduce operational friction across the team's day-to-day workflows.

SvelteKit

Svelte 5

Bun

TypeScript

Tailwind 4

shadcn-svelte

Drizzle / Turso

Lucia

LayerChart

TipTap

pdfkit

Vercel

Software Engineer

Jun 2025 – Oct 2025

The Basement LAB · Spain

- ▶ Led a legacy application rewrite focused on web performance, delivering major improvements across authentication, data fetching, and rendering.
- ▶ Built a reusable open-source component library adopted across the company's web applications.

NextJS TypeScript Component Libraries Web Performance

Software Engineer

May 2022 – Jun 2025

HomeOptions · Oakland - CA

- ▶ Built a custom CRM platform with SvelteKit integrated with Twilio's Call Center, and created an AI-assisted call handoff tool for sales agents to streamline contract reading.
- ▶ Revamped the legacy user portal from a React SPA to NextJS SSR, improving performance and SEO, and developed high-converting landing pages for ad campaigns.
- ▶ Built a Compliance Management Platform using GoLang, HTMX and Tailwind, working closely with Finance and Product teams on debt settlement workflows.
- ▶ Developed internal tools spanning campaign management, contract tracking, and a cookie banner SaaS product used both internally and by external clients.

NextJS Tailwind GoLang HTMX Svelte Kit PostgreSQL AWS Docker Vercel

Front end Developer / Tech Lead

Mar 2017 – May 2022

Santos Lab · Rio de Janeiro, Brazil

- ▶ Grew from Front end Developer to Tech Lead over 5 years, eventually leading a team of 5 engineers building a comprehensive precision agriculture platform.
- ▶ Built a React/TypeScript platform integrating drone, satellite, and in-field data with geospatial analysis (Turf.js, Leaflet), giving farmers actionable insights through interactive maps with split-view comparison and measurement tools.
- ▶ Created a React Native app for offline field data collection with seamless sync to the main platform for map and report generation.

React.js React Native Leaflet Turf.js AWS Docker

Mobile Developer

Feb 2017 – Jun 2017

Independent · São Carlos - São Paulo, Brazil

- ▶ Built a native Android micro-investing app for a startup contest sponsored by Itaú, one of Brazil's largest banks.

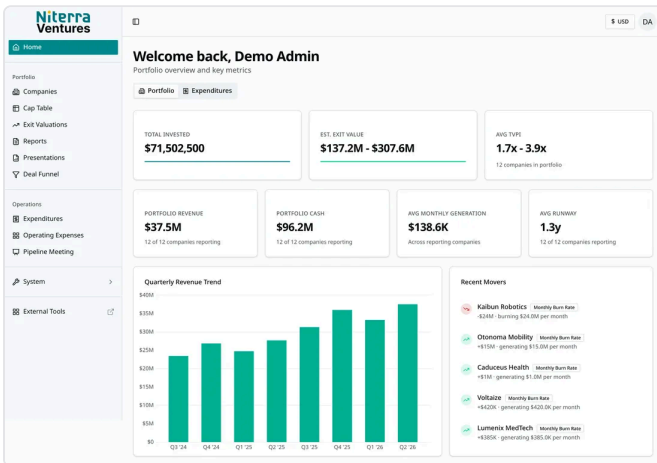
Java Android SDK

FLAGSHIP • INTERNAL PLATFORM, SHIPPED SOLO

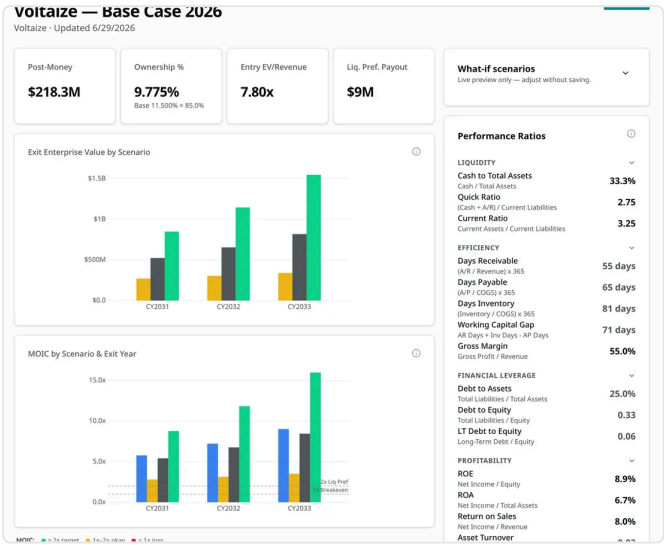
Niterra Ventures

The system of record for a venture firm's whole investment lifecycle – portfolio companies and quarterly financials, editable cap tables, scenario-based exit models, a deal funnel, expense & contract tracking, board-deck generation, and P&L / balance-sheet reporting – fed by live integrations and mapped Excel imports.

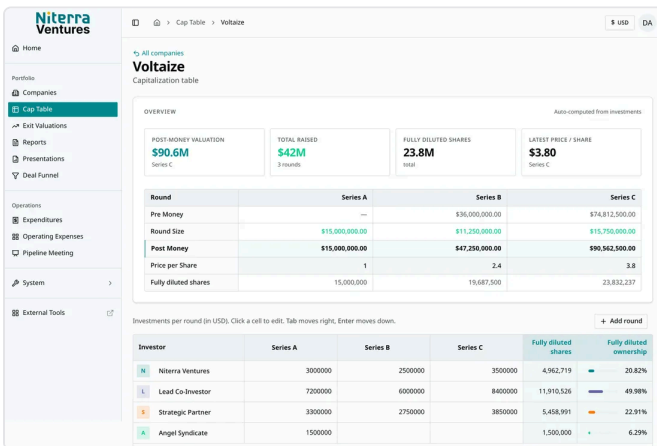
SvelteKit • Svelte 5 • Bun • TypeScript • Tailwind 4 • shadcn-svelte • Drizzle / Turso • Lucia auth • LayerChart • pdfkit • Vercel • integrates Affinity CRM • PitchBook • Webflow



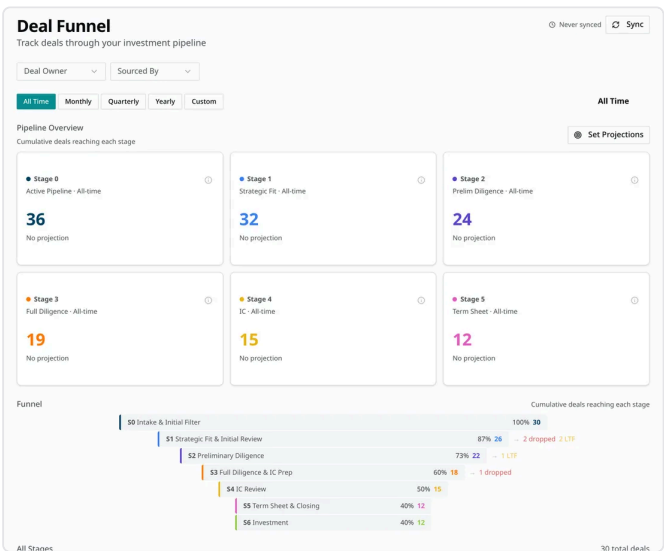
Portfolio dashboard – invested capital, exit-value range, TVPI and quarterly trends.



Exit modeling – enterprise value & MOIC across low / mid / high scenarios.



Editable cap tables – rounds, ownership and fully-diluted shares, auto-computed.



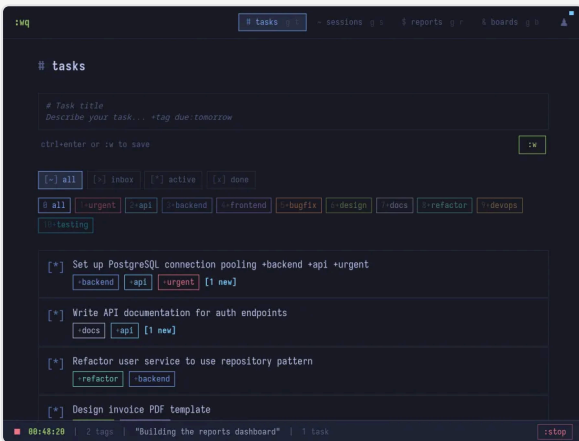
Deal funnel – conversion from intake to investment across the pipeline.

SHIPPED SOLO · DEVELOPER TOOL

writequit.dev

A terminal-native task manager, time tracker and invoice generator for freelancers – auth, jsPDF invoicing, real-time chat and password-gated shared client boards. Product design and marketing voice, not just the code.

SvelteKit 5 · Convex · Tailwind 4 · Vercel



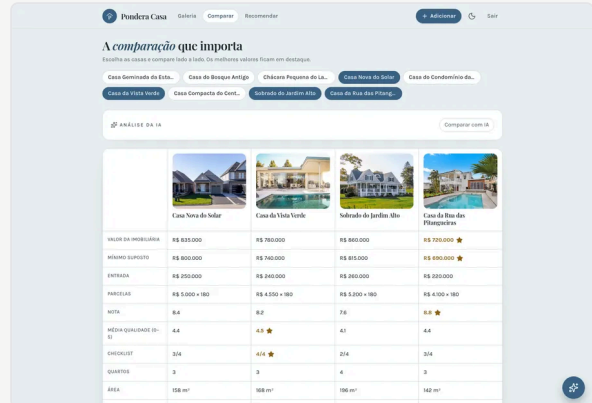
The board: markdown tasks, running timer, status filters.

SHIPPED SOLO · CONSUMER PRODUCT

pondera.casa

An AI property-comparison tool: a pasted listing URL becomes a structured decision – real scraping and LLM extraction, scoring, side-by-side comparison and AI ranking, not a chat box.

Next.js 16 · React 19 · Convex · OpenRouter

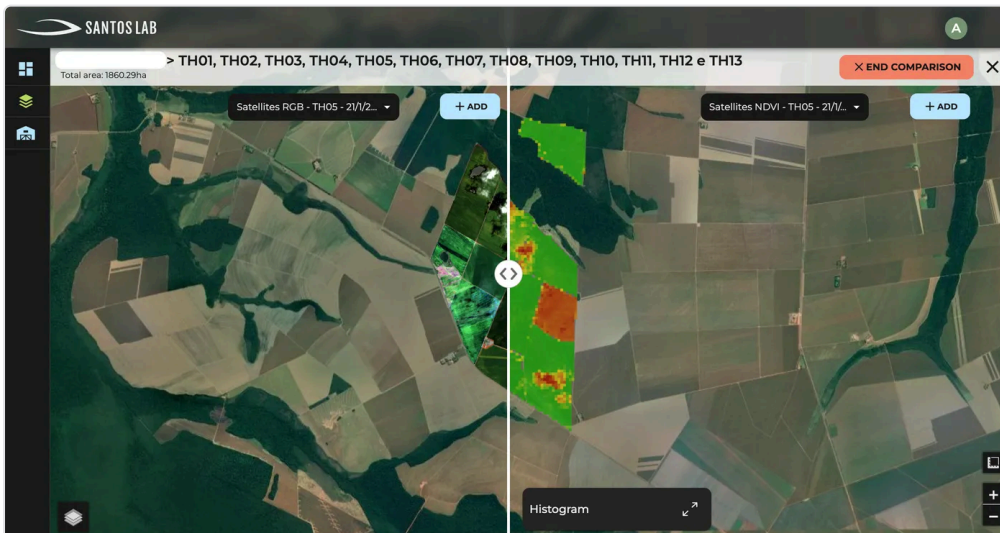


Side-by-side comparison – best value per criterion highlighted.

PRECISION-AG PLATFORM · WEB + MOBILE

Flora – Santos Lab

Drone, satellite and field data fused onto one interactive map (Leaflet + Turf.js), with an offline-first React Native field app – the project where I grew from developer to Tech Lead of five.



Multi-source geospatial data on one interactive map.

BUILT FOR THE LOVE OF IT

Go HTMX Front end Template

In need of a performant application for my work, I created a template for a Go HTMX application. It leverages Vite for Hot Reloading and bundling, which also makes it much easier to create isolated islands using other frameworks (like React) in specific locations of the website. It worked out great, and I used it daily in my own work.

github.com/FelipeAfonso/go-htmx-starter

HTMX Tailwind Gleam

I created an HTMX-driven web server for the functional programming Gleam language. This open-source project is a code template with built-in tailwind support, hot reloading, and componentized templating.

github.com/FelipeAfonso/gleam_htmx_tw

Spooder Game

I crafted a simple game using Rust and the Bevy Game Engine. It may be a small undertaking, but I developed everything, from sprites and music to interactions.

king-cod.itch.io/stupid-spooder-game

Sudokouija

A horror sudoku built in the LÖVE (Love2D) engine for Scream Jam 2025. It turns the classic puzzle into a race against time and against the board itself – psychological-horror mechanics layered over a 9×9 grid. Sprites and code by hand, no generative AI.

king-cod.itch.io/sudokouija

03 · EDUCATION

Master's Degree in Computer Science

Mar 2017 – Jun 2020

UFSCar (Federal University of São Carlos) · São Carlos - São Paulo, Brazil

- ▶ Explored cross-platform web and mobile development through the creation of multiple proof-of-concept apps using various frameworks.
- ▶ Conducted extensive interviews with software industry professionals to gather insights and inform research within the field.

Graduate Student Mentor

Sep 2017 – Dec 2018

IFSP (Federal Institute of science, technology and education of São Paulo) · Piracicaba - São Paulo, Brazil

- ▶ Mentored a student building a Kotlin/Kotlin Native Android app for their graduation project, and designed a six-week virtual course on Agile methodologies.

Bachelor of Technology Degree in Systems Engineering

Mar 2014 – Dec 2016

IFSP (Federal Institute of science, technology and education of São Paulo) ·
Piracicaba - São Paulo, Brazil

- ▶ For my final project: Developed a full-stack e-commerce solution with a Windows PoS, using .NET, Entity Framework, Razor, and XAML, to address inventory management challenges with a shared database.
- ▶ Scholarship Project: Developed a Windows XAML app and an Android app with websockets to control projected images for product highlighting in an Inverse Augmented Reality proof-of-concept.
- ▶ Developed and implemented a .NET Razor/Entity Framework web platform for scheduling student monitoring sessions, successfully utilized by campus for 2 years.

Monitor of Web Development

Aug 2016 – Dec 2016

IFSP (Federal Institute of science, technology and education of São Paulo) ·
Piracicaba - São Paulo, Brazil

- ▶ Served as a scholarship-funded Web Development class monitor, supporting fellow students on their .NET Razor, jQuery, and PHP projects.
- ▶ Helped debug and review student code, reinforcing fundamentals in server-side rendering, DOM manipulation, and back-end integration.

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Have a problem that needs an owner, not
a committee? Send me the messy version.