

Ignacio Fernández

Personal portfolio
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Github

EDUCATION

- **English Proficiency Test** Remote
EF SET; Results: 78/100 (C2 Proficient) May. 2023
- **UTEC** Maldonado, Uruguay
Technologist Degree in Computer Science; GPA: 3.68/4.00 Mar. 2022 – Present
- **UTU** Maldonado, Uruguay
Bachelor of IT Technician and Software engineering; ; GPA: 3.33/4.00 Mar. 2017 – Dec. 2019

EXPERIENCE

- **Cargonet** Punta del este, Uruguay
Fullstack Software Engineer Apr. 2024 - Present
 - **Frontend Ownership & Architecture:** Assumed full ownership of the main internal web application used daily by over 20 team members across Uruguay, Chile, and Argentina. Defined and standardized a modern React architecture, migrating the project from Create React App to Vite following CRA's deprecation. Established clear conventions with Zustand for shared state, React Query for data management, and Zod for schema validation. Introduced ESLint rules, folder structures, and naming conventions to ensure long-term scalability and ease of onboarding.
 - **LLM Integrations & Applied AI Systems:** Engineered Golang and Python APIs integrating with third-party LLM providers (OpenAI, Anthropic). Created a toolchain enabling natural language to SQL translation, automatic query execution, and semantic summarization of database results, bridging data accessibility for non-technical stakeholders.
 - **UI/UX Redesign & Design System:** Led a complete UI/UX redesign of the core platform. Created a consistent design system and styling guidelines from scratch, improving usability for non-technical users and reducing support overhead.
 - **Tenant-Based Frontend System:** Designed and implemented a flexible multi-tenant frontend architecture supporting per-tenant configuration. Enabled dynamic features such as customizable SEO metadata, branding, routes, and feature toggles per tenant, allowing the same codebase to serve multiple deployments seamlessly.
 - **Internal Platform Development:** Enhanced and maintained internal tools managing over 2,400 quotation requests in 2024, streamlining workflows from initial contact to final offer and improving operational efficiency.
 - **Interactive Dashboards:** Developed data-driven dashboards from interactive Figma prototypes using Recharts and Shadcn/UI, enabling rapid insights and feedback loops for business operations.
 - **Codebase Refactoring:** Reorganized a large legacy frontend codebase within six months, introducing reusable hooks and components that significantly improved maintainability and reduced bundle size.
 - **Backend Integration:** Collaborated with backend developers on Java Spring Boot microservices, implementing REST endpoints, CRUD logic, and PostgreSQL integrations to ensure smooth end-to-end functionality.
 - **Automation & Deployment:** Built automation scripts to streamline frontend deployments, including Docker image builds and registry pushes, reducing release friction and ensuring environment consistency.
 - **Collaboration & User Feedback:** Maintained close communication with end-users, iterating rapidly based on feedback. Known for attention to detail, product intuition, and bridging technical quality with user experience.

PROJECTS

- **Personal portfolio:** Built with Astro as a minimalist, content-focused personal site to centralize writing and showcase projects. Integrated Continuous Integration via Cloudflare Workers monitoring GitHub commits, enabling automatic updates and streamlined deployment.
- **Buddy:** Early-stage personal finance web app for expense tracking, entirely client-side and built with Vanilla JS. Features hand-crafted data normalization and custom chart rendering without external libraries, demonstrating solid DOM manipulation and data visualization fundamentals.

PROGRAMMING SKILLS

- **Languages:** Javascript, Java, Golang, Python, SQL
- **Technologies:** React, Docker, Figma, Github