

Harold Peñaloza

Frontend Software Engineer

Granada, Meta, Colombia | Remote

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SUMMARY

Frontend Software Engineer with 5 years of React experience building B2B SaaS interfaces, complex dashboards, design-system components, and frontend testing infrastructure. Strong ownership record across migrations, production bugs, reusable UI, and AI-assisted development workflows. Focused on fast, maintainable interfaces and continuous improvement of engineering fundamentals.

EXPERIENCE

Ubidots S.A.S. — Frontend Developer

February 2021 - April 2026 | Colombia / Remote

- Built and maintained React-based frontend features across the Ubidots IoT platform, including dashboards, widgets, organizations, data tables, forms, and enterprise-facing workflows.
- Reduced frontend test pipeline time from roughly 2 hours to 30 minutes by leading the migration from Jest to Vitest.
- Led the frontend migration of the Organizations module to the internal Vulcan UI design system, delivering the work independently with tests and no critical production bugs.
- Created and maintained reusable components for Vulcan UI, helping standardize product interfaces across the platform.
- Migrated legacy views, widgets, and table flows toward modern frontend patterns using React Query, shared UI components, and reusable abstractions.
- Supported the React 16 to 17 upgrade and dependency modernization work across a large production frontend codebase.
- Reviewed code regularly to improve maintainability, prevent production issues, and align implementation with team standards.
- Helped onboard engineers into complex repositories, tooling, and frontend workflows.

PROJECTS

HarpeBlue Signal

Framework-agnostic visual identity system built with CSS tokens, themes, utilities, and examples.

Repository: github.com/HarpeBlue/harpeblue-signal | Playground: harpeblue.github.io/harpeblue-signal

- Created a reusable visual foundation for HarpeBlue projects without depending on a specific frontend framework.
- Built a public playground and documentation examples using pure CSS and lightweight JavaScript tooling.
- Designed multiple visual modes, including Liquid Signal, Fresh Utility, Terminal Lab, Retro Signal, and Rave Mode.

Omarchy / Terminal Lab Cheatsheets

Technical cheatsheet project using HarpeBlue Signal's Terminal Lab style.

- Built as the foundation for a growing collection of personal and public developer references.
- Focused on fast lookup, readable command documentation, and practical Linux/developer workflow learning.

SKILLS

Frontend: React, JavaScript, TypeScript, HTML, CSS, styled-components

State and Data: Redux, Context API, React Query, Formik

Testing: Jest, Vitest, React Testing Library, Cypress

Tooling: Webpack, Rspack, Git, GitHub, npm

UI Systems: Design systems, responsive UI, dashboards, reusable components

Workflow: Code review, frontend migrations, Linux, AI-assisted development

EDUCATION

Platzi Master, Cohort 2

Practical software development training program focused on collaborative engineering projects and technical growth.

LANGUAGES

Spanish: Native | English: Intermediate