



Hector Vasquez

Senior Front-End Engineer

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📄 SUMMARY

Senior Frontend Engineer passionate about crafting high-performance, accessible, and SEO friendly user experiences.

Skilled in modern Frontend technologies and proficient in S.O.L.I.D. principles and software architecture patterns, ensuring scalable and maintainable code. Proven track record leading and mentoring teams, delivering impactful results in fast-paced environments, and contributing proactively to product discovery and innovation.

📁 EXPERIENCE

07/2023 – Present
Remote

Senior Frontend Engineer • AI-Driven Development, *Foris* 🌐

- Proposed and built a suite of internal AI skills (Claude) that streamlined the team's workflow — automating PR reviews, commit-message standards, and Jira ticket creation — improving consistency and reducing review overhead.
- Led a full architectural refactor of internal apps using Spec-Driven Development (SDD), pairing AI agents with clear specs and acceptance criteria to modernize the codebase safely and at speed.
- Drove adoption of AI-assisted development practices across the team, establishing standards for how AI agents are used in day-to-day engineering.
- Led the visual redesign of multiple applications, standardizing UI components.
- Proposed and implemented service structure improvements using Clean Code and Hexagonal Architecture.
- Mentored team members on React and modern JavaScript best practices.

07/2023 – Present
Remote

Senior Frontend Engineer • AI-Driven Development, *Nea* • Freelance 🌐

- Design new UI layouts with Figma.
- Designed and built a complete Android app with React Native (Expo) end-to-end — from architecture and design system to native device integrations.
- Led an AI-assisted build under a Spec-Driven Development (SDD) workflow: broke the product into spec-first epics with clear acceptance criteria, orchestrated AI coding agents, and enforced quality gates (typed contracts, linting, tests, conventional commits).
- Architected the data layer with a Ports & Adapters (Hexagonal) approach, decoupling UI from backend via typed contracts and enabling a mock-first workflow.
- Modeled the core payment/dispatch flow as an explicit state machine (XState) to enforce business rules and handle retries, timeouts, and contingencies.
- Integrated device hardware — NFC and USB chip-card reading (Kotlin native modules) and Bluetooth thermal printing.

11/2022 – 07/2023
Remote

Frontend Developer, *Nea* 🌐

- Implemented new modules with Clean Code practices, reducing code complexity.
- Migrated and restructured services under Hexagonal Architecture.
- Delivered features rapidly, ensuring fast iteration for discovery teams.
- Contributed to UX improvements and React Native app adjustments.
- Mentored team members on React and React Native

02/2022 – 10/2022
Remote

Frontend Developer, *Plerk* (YC S20)

- Fix and refactor of the old modules and pages that are still in use.
- Proposed and applied Atomic Design system to improve code organization.
- Refactored legacy modules for performance and readability improvements.

- Delivered new features quickly while maintaining code quality standards.
- Fast task completion to allow a fast feature delivery.

11/2020 – 01/2022
Remote

Frontend Developer, Prendea

- Sole frontend developer responsible for implementing new pages pixel-perfectly.
- Developed a live-class platform with real-time chat, emojis, and student-teacher interactions.
- Optimized web pages for SEO, accessibility, and mobile responsiveness.

05/2019 – 10/2020
Remote

Frontend Developer, Nextreality Digital

- Optimized a 3D museum app in Three.js (boosting performance from 15fps to 60fps on mobile).
- Developed new immersive 3D features and navigation flows with Three.js and A-Frame.
- Built responsive, cross-browser web apps, improving accessibility and SEO.
- Refactored legacy codebases to enhance performance and maintainability.
- Integrated APIs to fetch and manage dynamic data efficiently.

EDUCATION

01/2015 – 01/2019

Ingeniería Informática, Intituto Universitario de Tecnología del Estado Bolívar

SKILLS

JavaScript — Expert

Prompt Engineering — Expert

Vue.js — Proficient

Three.js — Competent

Node.js — Competent

GraphQL — Expert

CSS — Expert

Spec-Driven Development (SDD) — Expert

TypeScript — Expert

React.js — Expert

React Native — Proficient

Git — Expert

HTML — Expert

UI / UX Design — Competent

LANGUAGES

Spanish
Native

English
Intermediate

TRAINING / COURSES

07/2026 **Google AI, Google**

06/2026 **AI Fundamentals, Google**

03/2026 **AI Fluency Framework & Foundations, Anthropic**

03/2019 **Carrera de Vue.Js, Platzi**

Intermediate React.js, Frontend Masters

JavaScript Hard Parts, Frontend Masters

INTERESTS

Tenis - Videogames - Movies