JESSY AVALOS BARRALES

Senior Frontend Engineer

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Villa de Álvarez, Colima, México

JB

EXPERIENCE

Frontend Engineer (Contract)

Cloud Storage Provider (via Accion Labs)

Aug 2026 - Dec 2026 Remote

- Worked 1–3 tickets in parallel with Claude Code and git worktrees on a team whose workflow was built around AI tools, using it to analyze tickets and learn existing project patterns, so solutions fit the codebase without redundant or dead code
- Reviewed every change through a separate model-driven code review and my own manual review, and matched model tier to task (stronger models for planning and review, lighter ones for implementation) to stay within a monthly budget on a company-provided Claude account
- Built a typed TypeScript backend-for-frontend over an object-storage REST API (authorization, bucket and file operations, mock adapters), resolving destinations server-side and adding session validation, entitlement checks, and rate limiting with Zod
- Implemented retries with backoff honoring throttling headers, request cancellation, cursor-based pagination, and streamed file downloads
- Improved accessibility of a React web console: focus management and keyboard operability across dialogs, menus, and table filters; accessible names, form label and error associations, semantic headings, and text contrast fixes
- Shipped a hierarchical data table with sticky header, migrated icons to a shared package, and added Pendo element identifiers for product analytics

SUMMARY

Senior Frontend Engineer with 7+ years building scalable, high-performance web applications in React, Next.js, and TypeScript. Owns features end to end — architecture, data-layer design, testing, observability, and analytics — for subscription e-commerce platforms, and co-founder of a startup running POS and clinical CRM products in daily production use

EDUCATION

Computer Systems Engineering

Instituto Tecnológico de Colima

Aug 2015 - Feb 2021

SKILLS

Frontend

React.js · Next.js (App Router) · TypeScript · JavaScript · Redux · Zustand · React Hook Form · Chakra UI · Tailwind CSS · HTML · CSS (LESS/SASS) · Microfrontends · i18n · Accessibility (a11y) · Responsive & Mobile-First Design

Backend & Data

Node.js · REST APIs · Prisma · Zod · PostgreSQL

EXPERIENCE

Frontend Engineer (Contract)

IPSY (via Committed Staff.AI)

Jul 2025 - Jun 2026 Remote

- Led end-to-end development of Chained Reviews, a multistep review platform built from scratch in Next.js (App Router), serving 4 subscription programs (GlamBag, GlamBag X, GlamBag Plus, Wellness) with eligibility checks and dynamic forms
- Re-architected the data layer by consolidating 3 redundant data-fetching flows (eligibility, customer, bag) into a single getUserDataBundle request behind a centralized User Context, removing duplicate network calls and repeated code across pages
- Designed an application-wide error-handling and logging strategy defining 116 typed error codes across 5 application flows (home, reviews, choice, add-ons, interstitials) and Contentful integrations, improving production observability and debugging
- Raised Jest line coverage from ~60% to ~75% (270+ tests) across commerce and checkout components, enforcing quality standards through code reviews in a pnpm-based microfrontend architecture with shared component libraries
- Authored the official Chained Reviews documentation (account setup, eligibility configuration, error scenarios), adopted into IPSY's Confluence knowledge base to onboard developers and QA, and mentored peers through code reviews
- Instrumented Amplitude and Segment event tracking on review and choice interactions, and integrated Iovation device fingerprinting to strengthen fraud detection on review submissions
- Built upgrade and reactivation interstitials covering shipping-cost calculation, payment-failure handling, and conditional redirections, delivering mobile-first UI with full i18n (en-US, es-MX) using Chakra UI and React Hook Form

Co-Founder & Frontend Engineer

SpartansDev

Feb 2025 - Present

Secondary focus alongside full-time contract roles

- Co-founded, with two partners, a software startup shipping two production systems — a multi-branch POS/inventory platform and a clinical CRM — owning frontend architecture, CI/CD pipelines, and engineering standards
- Built core POS modules (products with dynamic variants, location-based inventory, branch management, sales) now processing 1,000+ monthly sales across 3 branches, with 50+ users and a 760+ product catalog
- Developed a clinical CRM in Next.js with Prisma and Zod schema validation, managing 84 patients and 100+ therapy sessions, including billing, contracts, scheduling, and PDF reporting
- Standardized engineering practices across repositories (ESLint, Prettier, Husky, GitHub Actions CI/CD) and led API-route refactors introducing Zod validation and a server-function layer
- Administer the GCP Compute Engine VM hosting both products (deployments, disk-capacity monitoring, database backups), sustaining production cloud spend under USD 35 per month through resource right-sizing
- Created a reusable design system (DataTable, dialogs, form components) with Zustand state management and Jest unit tests for critical features

SKILLS

Testing & Tooling

Jest Cypress pnpm Monorepos Git/GitHub GitHub Actions (CI/CD) GCP ESLint Prettier Husky Storybook Claude Code (AI-assisted development) git worktrees

Analytics & Services

Amplitude Segment Pendo Contentful Confluence JIRA

EXPERIENCE

Sr. Software Engineer

Neoris México

Aug 2023 - Feb 2025

- Developed and maintained components, templates, and pages for workflows managing cloud resources (AlloyDB, storage buckets, Redis, Pub/Sub), integrating Contentful for multi-channel content delivery
- Optimized application performance through Lighthouse audits, codebase cleanup, and the Node.js 14-to-17 migration, while expanding Cypress end-to-end test coverage and reviewing code against team standards

Career break — full-time job search

Feb 2023 - Jul 2023

Jr. Software Engineer

EPAM Systems

Jan 2022 - Jan 2023

- Migrated a production e-commerce frontend from Hybris to React.js with Redux and Redux-Saga, building reusable components documented in Storybook and tested with Jest (unit and integration)
- Engineered a real-time web service using sockets for two-way communication, deployed frontend and backend to Heroku, migrated analytics from Google GA3 to GA4, and set up GitHub Actions pipelines

Frontend Developer

Xilion

Jul 2019 - Jan 2022

- Implemented UI/UX mockups, maintained and deployed production projects, reviewed code contributions, and configured SSL certificates, strengthening release security and stability