



Juan Monsalve

Senior Frontend Engineer

Senior Frontend Engineer with 10+ years shipping React products for cloud SaaS and ecommerce. Currently building features for a multi-region VSaaS platform while driving frontend modernization and E2E quality. Previously led a team of 4 delivering 3D product configurators for a global brand. Strong in architecture, state management, and async collaboration across distributed frontend and backend teams.

- 10+ years shipping production React applications for cloud SaaS and ecommerce
- Led a 4-person frontend team on 3D configurators for a global athletic brand
- VSaaS platform engineering with modernization, E2E automation, and cross-region delivery

📍 Medellín, Colombia

juanmonsalveg@outlook.com · github.com/juanmonsalv3 · linkedin.com/in/monsalvejuan · juanmonsalve.dev

Experience

Milestone Systems / Arcules

Frontend Software Engineer · Dec 2023 — Present

Cloud Video Software as a Service (VSaaS) platform for managing video cameras and operational workflows.

- Built and shipped customer-facing modules including cases & evidence management, camera settings, and maps-based workflows for a multi-region VSaaS platform
- Drove modernization efforts across the SPA (React + Vite), including package upgrades, E2E test modernization, and unit-test adoption (Vitest/Jest)
- Improved observability by instrumenting frontend error reporting and workflow tracing in Sentry to shorten time-to-diagnosis
- Partnered with a central frontend team supporting 5 backend teams, aligning UI contracts, i18n, and delivery across parallel streams

TypeScript · JavaScript · React · Vite · Material UI · TanStack Query · Redux · Zustand · react-intl · Sentry · Node.js · Playwright · Vitest · Jest

YR

Senior Frontend Developer · Jan 2022 — Dec 2023

3D product customization for a global athletic brand — in-store and ecommerce experiences.

- Led a team of 4 frontend engineers delivering multiple 3D product configurators with real-time rendering for in-store and ecommerce use cases
- Led the modernization of the visualization stack from 2D to 3D using WebGL and Three.js, enabling richer real-time previews
- Owned client-facing discovery, technical alignment, and delivery planning to execute against stakeholder timelines
- Built robust data flows by integrating GraphQL APIs and adding Playwright E2E coverage for high-traffic customization journeys
- Mentored engineers on WebGL/Three.js performance, component architecture, and testing strategy

TypeScript · React · Three.js · WebGL · Apollo GraphQL · Playwright

EPAM Anywhere

Senior Software Developer · Sep 2021 — Jan 2022

Short-term engagement delivering React features for internal enterprise business applications.

- Shipped React UI features for internal business applications used by distributed operations teams
- Integrated GraphQL with Apollo Client for predictable data fetching and maintainable UI state

React · JavaScript · Node.js

Endava

Senior Web Developer · Feb 2021 — Sep 2021

Enterprise internal applications for a global technology consultancy client.

- Built Vue.js features for enterprise internal tools using component-driven UI patterns
- Delivered maintainable interfaces within a distributed engineering team

Vue.js · JavaScript · Riot.js

ConfigureID (now YR)

Frontend Engineer · Feb 2018 — Feb 2021

Ecommerce product customization and personalization embedded in brand sites (2D/3D configurators).

- Built multiple product configurators from scratch and maintained a portfolio of long-lived experiences across brands including Ray-Ban, Oakley, Louis Vuitton, Ralph Lauren, Moncler, Adidas, Fender, Puma, and more
- Promoted from mid-level to senior; led delivery for two client projects, owning technical direction, estimation, and cross-team execution
- Led the modernization of the visualization stack from 2D to 3D using WebGL and Three.js across key configurator experiences
- Added Playwright/Cypress-style E2E coverage (where applicable) to protect key purchase and customization flows and reduce regressions
- Supported Node.js backend services and implemented analytics instrumentation (Google Analytics) to improve funnel visibility

JavaScript · React · Three.js · WebGL · CSS · Sass · PostCSS · Node.js · Playwright · Google Analytics

Sproutloud Media Networks

Web Developer · Aug 2016 — Feb 2018

Marketing funds and campaign management platform for brands and partner networks.

- Delivered full-stack features for managing marketing funds, approvals, and campaign workflows in a large legacy web application
- Built and maintained PHP/Laravel services alongside an ExtJS frontend, focusing on reliability and maintainable UI patterns
- Partnered with product and QA to ship iterative improvements in an Agile environment

PHP · Laravel · Ext.js · JavaScript · CSS · PostgreSQL

Zeus Tecnología (now Siesa)

Web Developer · Feb 2014 — Aug 2016

Enterprise software suite for restaurants, hotels, VIP clubs, accounting, and other business areas.

- Progressed from intern to mid-level engineer over 2 years, delivering features across multiple business domains
- Built a restaurant table-reservation product across desktop and web using C# and ASP.NET
- Implemented hotel-occupancy forecasting using statistical regression models to support planning and operations
- Contributed to modernizing a restaurant POS suite from desktop to web using ASP.NET, DotNetNuke, JavaScript, and CSS

C# ASP.NET DotNetNuke JavaScript CSS Microsoft SQL Server

Skills

Frontend (React ecosystem)

TypeScript JavaScript React Next.js Astro React Router HTML CSS
Tailwind CSS Styled Components Sass Vite Webpack MUI

Quality & Testing

Playwright Cypress Jest Vitest React Testing Library ESLint Prettier

Delivery & Observability

CI/CD GitHub Actions GitLab CI Docker Feature Flags Sentry Git

State, Data & APIs

Redux Redux Toolkit Zustand TanStack Query GraphQL REST APIs
OpenAPI/Swagger Passport.js OAuth 2.0 / OIDC JWT SQL Zod Yup

Performance, Accessibility & i18n

Performance Optimization Web Performance Bundle Analysis
Core Web Vitals Accessibility (WCAG/ARIA) axe Internationalization (i18n)

Languages

Spanish — Native

English — Professional working proficiency

Education

Universidad de Cartagena

Bachelor of Engineering · Systems and Informatics Engineering · Jan 2009 — Jan 2016