

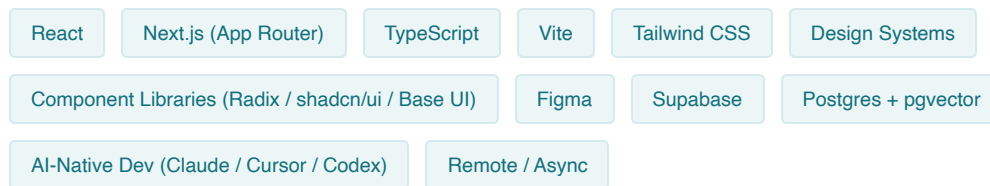
Carlos Junod

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SUMMARY

Senior Front-End Engineer and designer-developer with 8+ years shipping production React and Next.js applications for high-scale platforms - Sam's Club (\$60B/yr), Silicon Valley Bank (40,000+ corporate clients), and Florida Blue. I design and code end-to-end: building and evolving design systems and reusable component libraries (Tailwind CSS, Radix UI, shadcn/ui, Base UI) with an art-direction background behind the craft. I ship daily with AI tools - Claude, Cursor, and Codex - and run production RAG on Supabase + Postgres/pgvector (Flowy, CristofomaCMS), building directly on Supabase's own Vector and database stack. Fully remote, async-native, builder of side projects.

CORE COMPETENCIES



EXPERIENCE

Trellis Events Solutions

2025 - Present

Lead Front-End Developer

- Sole front-end architect on a full application rewrite in **Next.js 15 (App Router), TypeScript, Vite, and Tailwind CSS** - responsible for 80%+ of all front-end code delivered, owning features end-to-end with minimal direction.
- Built an **internal library of reusable components based on shadcn/ui** (Radix primitives) - designed in **Figma** and shipped in code - forming a modular design system across Accounts, Events, Clients, Timelines, and Users, consumed by SuperAdmin, Admin, Client, and Planner workflows.
- Engineered an RBAC authentication layer securing four distinct user roles across all application surfaces.
- Built an interactive schema visualization tool with FK chain highlighting, draggable nodes, multiple layout algorithms, and live filtering - used by the engineering team for database exploration.
- Defined API contracts with backend and DevOps teams; optimized data-fetching patterns across Express APIs and AWS infrastructure.

Independent Products

2024 - Present

Founder & Full-Stack Engineer

- Build **Flowy** (tryflowy.app), a Claude-powered "universal inbox" with a production RAG pipeline - vector search returning cited, conversational answers. Built on **Postgres + pgvector (HNSW indexing)**, Voyage embeddings, adaptive chunking, and Claude (Sonnet/Haiku) synthesis; Next.js 15, BullMQ workers, Cloudflare R2.
- Built **CristofomaCMS**, a CMS + RAG knowledge backend: authored content is chunked, embedded with OpenAI `text-embedding-3-large` (3072-dim), and stored as **pgvector vectors in Postgres/Supabase**; a `/api/search` endpoint serves grounded chunks via cosine similarity. Next.js 16, Prisma 7, NextAuth role-based access.
- Founded Calcura Software LLC and shipped **Calcura3D**, a multi-tenant SaaS for 3D-printing cost estimation - owned product end-to-end from **Figma** design through a **React + Vite + Tailwind** front-end, Node/Express on Google Cloud Run, Firebase, and Stripe billing. Customer interviews drove UX; the quoting flow became the #1 used feature.
- Ship with **AI-native development** - Claude, Cursor, and Codex wired across scaffolding, refactors, tests, debugging, and docs - to deliver multiple production products solo.

Florida Blue

Jul 2023 - Jun 2024

Senior Front-End Developer · Jacksonville, FL

- Led front-end work on an internal provider-management application, categorizing 400+ security and architectural errors into bounded contexts and remediating each as a unit - reducing the critical vulnerability backlog to zero.
- Built reusable React components and contact-management features that streamlined provider data workflows for internal teams.

Walmart / Sam's Club

Apr 2022 - Jul 2023

Front-End Developer · Sunnyvale, CA

- Built and maintained checkout and payment components for samsclub.com - a platform serving **millions of users and ~\$60B in annual sales**: credit-card forms, verification, scheduling, and address validation.
- Improved checkout accessibility to WCAG 2.1, boosting audit scores by 60%; participated in the migration to an NX monorepo unifying the internal component library.

Silicon Valley Bank

Jun 2021 - Apr 2022

Front-End Developer · Menlo Park, CA

- Built and maintained the React front-end and Node.js proxy for SVB's client-facing reporting platform - used by **40,000+ corporate clients** for statements, balances, transactions, and tax documents.
- Developed an advanced filter/search system for customizable report retrieval; maintained 100% unit-test coverage and redesigned the front-end architecture for scalability.

Florida Blue (via Brooksource)

2018 - 2021

Full-Stack Developer · Jacksonville, FL

- Built reusable React component libraries and contributed to micro-frontend adoption across floriablue.com; added accessibility, multilingual support (react-i18next), and a navigation redesign.
- Built a workflow-automation app replacing manual email approval chains, with role-based submissions, voting, record-keeping, and real-time chat.

EARLIER & EDUCATION

Developer & UX Designer - Simplicity Solutions

2017 - 2018

Art Director / Web Developer - Huella Producciones

2010 - 2014

B.S. - Full Sail University, Winter Park, FL

2017

SKILLS

Frontend: React, Next.js 15 (App Router), TypeScript, JavaScript (ES2024), React Native + Expo, Vite, Webpack

Design & UI: Design Systems, Component Libraries, Radix UI, shadcn/ui, Base UI, Tailwind CSS, Figma, CSS Modules, SASS, WCAG 2.1 Accessibility

Backend / Data: Node.js, Express, Supabase, PostgreSQL + pgvector, Prisma, Firebase, PocketBase, REST/GraphQL API design

AI / RAG: Claude & OpenAI APIs, RAG pipelines, vector search & embeddings (Voyage, OpenAI), AI-assisted development (Claude, Cursor, Codex)

Tooling / Infra: Vercel, GitHub Actions, NX Monorepo, Google Cloud Run, BullMQ, Stripe, Docker, AWS, Cloudflare R2

Ways of working: Remote-first, async, globally distributed, end-to-end product ownership, multi-tenant SaaS, RBAC