

Gustavo Krause

Senior Front-End Engineer · Tech Lead

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Brazil — Remote (LATAM)

Summary

Front-end engineer with 18+ years building web and mobile products with React, TypeScript, and GraphQL. Five years on Pinterest's ads and web-platform teams through BairesDev — consumer-scale React, including a large REST-to-GraphQL migration — and Front-End Tech Lead on a 30+ engineer program at IQVIA, with 20+ developers mentored and hiring experience. Deep in state management, component architecture, performance, design systems, testing, and accessibility, with working full-stack knowledge (Node.js, REST/GraphQL APIs, Postgres) and real-time interactive systems built with WebRTC and WebSockets (see Projects). Comfortable leading distributed teams remotely, calm under pressure, and open to remote roles with U.S. or European teams.

Skills

- **Front-end (core):** React, React Native, Expo, TypeScript, Next.js, Vue.js, state management (Redux, Context, Relay, Apollo), component architecture, performance optimization, Tailwind, CSS-in-JS (Styled Components, StyleX), SCSS, design systems (Gestalt, Radix UI, Gluestack)
- **Web fundamentals:** Accessibility (a11y), semantic HTML, SEO & Schema.org, internationalization (i18n), responsive & mobile-first design
- **Real-time & interactive:** WebRTC (P2P, live voice), WebSockets, browser games and highly interactive UIs
- **Technical leadership:** Code review at scale, mentoring, interviewing/hiring, architecture alignment, software design docs, testing standards
- **Testing:** Jest, React Testing Library, Cypress
- **DevOps / CI/CD:** GitHub Actions, branch-based preview environments, GitHub Flow, Husky, Vercel, Cloudflare, Docker
- **Back-end (working knowledge):** Node.js, Express, REST & GraphQL API design, Supabase, PostgreSQL, SQLite, edge functions, MCP
- **Observability & analytics:** Sentry, Mixpanel, LaunchDarkly (feature flags); internal observability and experimentation tooling at Pinterest
- **Design & tooling:** Figma; agentic development flows (Claude, Cursor), multi-model LLM orchestration

Experience

Software Engineer — Odyssey (Contract, Remote) · Oct 2025-Mar 2026

- Built Odyssey's web app and native app (React, React Native, Expo, Tailwind, Nativewind, Gluestack-UI, TypeScript).
- Drove **ESLint to zero errors** and set up the CI/CD validation workflow with Husky pre-commit hooks, carrying the quality tooling I'd proven at MileIQ into a new codebase.
- Contributed Python API endpoints supporting product features — comfortable across the front-end/back-end boundary.

Software Engineer — MileIQ (Remote) · Mar 2025-Sep 2025

- Core Web Team and Product Experience Team (React, Hooks/Context, REST, GraphQL, Apollo, Radix UI design system, Tailwind).
- Engineered the GitHub preview-environment workflow (branch/PR-based environments), enabling high-velocity GitHub Flow and streamlining QA verification.

- Set the team's testing standard — **100% coverage on new features, a 40% floor on existing code (60% target)** — migrated JavaScript to TypeScript, and drove ESLint to zero errors, which unblocked CI/CD checks and Husky pre-commit hooks.
- Shipped behind feature flags (LaunchDarkly), with monitoring in Sentry and product analytics in Mixpanel — closing the loop from release to real-world impact.

React Engineer — BairesDev (Pinterest · IQVIA) (Remote) · 2019-2025

- **Pinterest / Ads Create:** Built the core validation engine for the Bulk Actions feature, synchronizing complex business rules across multiple high-traffic advertising surfaces (React, Redux, TypeScript, Flow).
- **Pinterest / Web Platform:** Helped migrate ~1,000+ components from REST to GraphQL/Relay across the Pin entity — Pinterest's core domain object — refactoring, writing UI/unit tests, and coordinating across the multiple surfaces consuming those components to keep features working through the transition. Daily contact with the Gestalt design-system team.
- **IQVIA (healthcare IT) — Front-End Tech Lead:** Led a 30+ front-end engineer program with daily code review, and shaped the SPA architecture with the core team — aligning proposed solutions and trade-offs so the whole team shipped consistent, high-quality code (Create React App, Redux, Formik/Yup, Material UI, REST/JWT, Jest/Enzyme).
- **Mentoring & hiring:** Mentored 20+ junior/mid developers on React and front-end to raise their delivery quality and client scores, and interviewed front-end candidates for the Pinterest and IQVIA accounts — one of the first ~20 BairesDev engineers placed on Pinterest, which has since grown past 300.

Selected Products & Side Projects

- **Happy Land** — Real-time 2D multiplayer playground for kids ([play](#) · [code](#)). Browser P2P over WebRTC with live voice and chat, backed by a Node.js WebSocket signaling/room server (4-letter room codes, up to 8 players per room); deployed on Render.
- **AI dev-fleet** — A multi-service system that turns plain-language ideas into reviewed pull requests. [whale](#) (Next.js strategy service) distills and risk-rates tasks, then drives [krill](#) (Next.js executor) over HTTP to build each task in an isolated git worktree, self-review, and open a PR; [ai-team](#) supplies the specialist personas and [bridge](#) is the control room. Built end-to-end in TypeScript/Node with SQLite + Drizzle persistence and a staged job pipeline; integrates the Claude CLI and MCP.
- **Arqtrack** — Full-stack micro-SaaS for architects ([arqtrack.com](#)) — React, TypeScript, Vite, Supabase, Stripe payments, Cloudflare. Built and operated end-to-end: front-end, database, and billing.
- **Meu Veleiro** — Web app ([meuveleiro.com.br](#)) with Node.js, Supabase, Resend (transactional email), and Playwright automation (Vue, Vuex).
- **FiboFlow** — Browser game ([play](#) · [code](#)) (React, Emotion, Vite).

Earlier Experience

Front-end roles from 2006-2019 across product teams and agencies — Mirum (lead React engineer; upskilled 15+ front-end developers on the React ecosystem), Coopers, Shaw and Partners, Weev, LikeIT, and Agência CASA (JWT). Delivered work for clients including Shell, Ford, HSBC, Johnson & Johnson, Renault, Warner Bros, Kraft, Magazine Luiza, and Petrobras. Speaker at React CWB and Vue Floripa meetups (2018).

Education

Technology in Web Design — Opet College, Curitiba, Brazil (2006-2008)