

Krzysztof Łakwa

Senior Frontend Developer

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SUMMARY

Senior Frontend Developer with **7+ years** building production React applications at scale. Co-led a full platform rewrite — hexagonal architecture, **~10× performance gains**, multi-brand support from a single codebase. Deep expertise in **React**, **TypeScript**, and modern frontend tooling. Comfortable owning architecture, mentoring engineers, and working closely with product and design. Pragmatic user of AI-assisted development workflows.

SKILLS

Core	TypeScript, React 19, Next.js, React Router 7, JavaScript (ES2023+), HTML5, CSS3
Architecture	Hexagonal architecture, SSR/SSG, hydration strategies
State & Data	Redux Toolkit, GraphQL, REST, WebSockets
Styling	Tailwind CSS 4, Emotion, CSS Modules
Testing	Vitest, Jest, React Testing Library, Playwright
Tooling & CI/CD	Vite, Webpack, npm/pnpm workspaces, Docker, GitHub Actions, CircleCI
UI Quality	Storybook, design systems, WCAG 2.1, ARIA, semantic HTML, keyboard navigation
Other	Node.js, Cloudflare Pages, TypeDoc, multi-model LLM workflows (Cursor, Zed)

EXPERIENCE

Hero Gaming — Mid → Senior Frontend Developer | Aug 2020 – Present

iGaming company operating online casino and sports betting platforms across 18 brands, serving hundreds of thousands of monthly users.

Stack: TypeScript · React 19 · React Router 7 · Redux · GraphQL · Tailwind CSS 4 · Vitest · Storybook · Docker · GitHub Actions

- Co-led (one of two principal engineers) a **ground-up rewrite of the entire frontend platform** — reverse-engineered a large, undocumented legacy codebase with **zero business logic loss**. Delivered **~10× improvement** in page load, Lighthouse scores, and TTI, and established a **hexagonal, brand-agnostic platform** enabling rapid delivery of new brands from a single codebase.
- Drove **frontend framework selection** — chose React with Remix, later migrated to React Router 7. Adopted a **server-first data architecture** using loader data and server context, eliminating the need for global state management.
- Solely designed and built **core platform modules** — notifications, locks, and middlewares — with **framework-agnostic APIs** and typed interfaces that make correct usage trivial and misuse a compile-time error.
- Architected a **decoupled, event-based analytics system** where components dispatch events with no provider dependency. Built **automatic PII hashing** before transmission to third-party providers, ensuring GDPR compliance. Solved a **core SSR limitation** by bridging server-side actions with client-side tracking SDKs through serialized URL payloads with deduplication and cleanup.
- Built the platform's **real-time event system** over Pusher WebSockets, handling 36 event types across public and private channels. Created a **custom stable-callback hook** that solves React's stale closure problem — handlers always read current state without re-subscribing. Designed a **component-aware subscription registry** that tracks, deduplicates, and auto-cleans bindings per component, preventing memory leaks and duplicate handlers across navigation and React Strict Mode.
- Built **CI/CD pipelines** (GitHub Actions) to auto-publish TypeDoc and Storybook on every merge. Created **AI-powered** (Claude) scaffolding scripts to automate error-prone boilerplate tasks.
- Worked closely with **product and design teams** to shape technical decisions — collaborated with stakeholders to map analytics requirements and future data needs, designing the module for long-term extensibility. Partnered with designers to walk through **user journeys before implementation**, identifying UX bottlenecks and edge cases early.
- Led frontend hiring and technical interviews for an **8-person frontend team** (~20-engineer org). Mentored junior and mid-level engineers through code reviews and pair programming.

Britenet — Junior → Mid Frontend Developer | Sep 2018 – Jul 2020

Client: Beqom (Switzerland) — Enterprise SaaS compensation management platform.

Stack: TypeScript · React · Redux · JavaScript

- Resolved a critical rendering bottleneck in a complex data grid: reduced load time from **46 s to under 1 s** in IE11 via virtualisation, memoisation, and re-render elimination — a **97% improvement**.
- Maintained and extended **@beqom/alto-ui**, an **open-source React component library** on npm — built new components, wrote docs, and ensured API consistency.
- Shipped React/Redux features end-to-end for a compensation SaaS used by global enterprise clients.

EDUCATION

AIDevs — Production AI Applications (agents, RAG, MCP) · 2025

10xDevs — AI-Native Software Engineering Workflows · 2025

Kodilla — Web Developer Bootcamp · 2018

Jan Kochanowski University — MA, History · 2006–2011

INTERESTS

Long-distance running · Cooking · Formula 1