Logan Biesterfeldt

Senior Frontend Engineer · React 19 · TypeScript · Next.js

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SUMMARY

Frontend Engineer with 6+ years building type-safe React, Next.js, and TypeScript applications across high-stakes DeFi financial interfaces ($300M+ peak TVL), WebGL 3D visualizations, and real-time RPC/WebSocket streams. Experienced owning design systems, transaction state machines, memory/render lifecycles, and upstream open-source SDK/registry contributions.

EXPERIENCE

AgOS (Independent Platform) — Lead Frontend & Full-Stack Engineer — Calgary, AB · May 2026 – Present

ag-os.pro — React 19, TypeScript, Next.js/vinext, Three.js, Leaflet, Neon PostgreSQL, Drizzle ORM

- Architected modular multi-tenant workspaces with React 19, TypeScript, Auth.js, and Drizzle ORM, cleanly isolating typed economic calculations from Recharts, Nivo Sankey, and Leaflet views.
- Engineered custom Three.js 3D grain bin rendering pipeline with pixel-density caps, ResizeObserver layout tracking, GPU geometry/texture disposal, WebGL context recovery, and accessible keyboard/tabular alternatives.

Cryptech Developments Ltd. — Frontend Lead — Vancouver, BC (Remote) · Aug 2022 – May 2026

- Built and maintained the production Next.js, TypeScript, and Tailwind CSS web application for **Neptune Finance** on Injective, scaling through **$300M+ peak TVL** across lending, borrowing, staking, airdrop, Mito vault, and Astroport liquidity flows.
- Modeled asynchronous on-chain signing as deterministic TypeScript state machines—coordinating optimistic UI, RPC/indexer query caching, and explicit retry/error recovery across Keplr, Leap, MetaMask, and Ledger.
- Independently identified multi-route navigation latency and shipped the persistent slide-over **Balance Menu** featuring live asset charts and inline swaps.
- Ported open-source **CW3 Fixed Multisig** frontend to Injective SDK with Base64 payload decode and client caching; authored merged upstream PRs in **Injective Labs (injective-ts)**, **Cosmos Chain Registry**, **Keplr Contract Registry**, and **DefiLlama Adapters**.

stakefish / f2pool — Technical Content & Protocol Workflows — Remote · Oct 2020 – Aug 2022

- Tested wallet signing and validator staking edge cases directly on Ethereum Beacon Chain, Cosmos, Osmosis, Evmos, and Solana testnets/mainnets to produce accurate operator and delegator workflow guides.

Artrageous Advertising — Web Developer — Calgary, AB · Dec 2019 – Oct 2020

- Built and maintained an 80+ production client website library in WordPress alongside automated Google Data Studio analytics and technical SEO instrumentation.

FRONTEND & OPEN-SOURCE ENGINEERING HIGHLIGHTS

Monad Heartbeat *(Next.js · WebSockets · 3D CSS · Ethers.js)*: Built a live block lifecycle explorer displaying speculative, execution, consensus, and finality states over WebSocket streams with HTTP RPC polling fallback and an EVM payload transaction builder.

ether.fi Cash Dashboard Demo *(Next.js · Radix UI · TanStack Query)*: Engineered interactive collateral health sliders, real-time borrowing power calculations, and accessible dark-mode UI primitives with zero scroll jank.

Dyve *(ETHGlobal HackFS 2022 · Polygon Top 5, Covalent & NFTPort Prizes)*: Implemented Next.js/Ethers.js escrow & shorting interface indexing collections via NFTPort, Covalent, and IPFS metadata rules.

Satsuma & CrAIdle *(Cross-Chain & Agent-Accelerated Builds)*: Shipped multi-chain transaction state machines (Injective/Axelar GMP/ICP) and a Base Sepolia monitoring UI with strict TypeScript verification.

TECHNICAL & DOMAIN SKILLS

Languages & Frameworks: TypeScript, JavaScript (ES2024), React 19, Next.js, Tailwind CSS, HTML5, CSS3, SQL

Architecture & Rendering: State Synchronization, TanStack Query, Radix UI, Three.js / WebGL, WebSockets, Caching, Accessibility (WCAG AA)

Backend & On-Chain: PostgreSQL, Drizzle ORM, Auth.js, CosmWasm, Injective SDK, Ethers.js, Solidity, Node.js, REST / RPC Indexers

Tooling & Practices: Figma Token Systems, Git, CI/CD, Vercel, Cursor, Claude Code, Spec-Driven Agent Orchestration

EDUCATION

The University of Lethbridge — Bachelor of Fine Arts (BFA), New Media — Lethbridge, AB · Graduated 2014