

Yannick Mermet

Senior Frontend Engineer | React, Next.js, TypeScript | Web3 custody and tokenization

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French and British citizen (EU and UK work rights) | Open to contract or Employer of Record (EOR) roles

SUMMARY

Senior Frontend Engineer with 10+ years in software engineering, including 4 years building institutional crypto custody at io.finnnet. Responsible for all frontend delivery across web and mobile: led and architected the full platform redesign, built the 90+ component library as its sole maintainer, and shipped multi-chain tokenization and Solana signing end to end in React, Next.js, and TypeScript. Frontend-first with fullstack ownership and an AI-native workflow in Claude Code.

SKILLS

Languages	TypeScript, JavaScript, HTML, CSS, SCSS, Solidity
Frontend	React, Next.js (App Router), React Native, Expo, Tailwind CSS, shadcn/ui
State Management	TanStack Query (React Query), React Hook Form, Zod
Automated Testing	Vitest, React Testing Library, Playwright (E2E), TDD
Web3	Ethereum, Solana, Bitcoin, Tron, WalletConnect, smart contracts, MPC custody, tokenization
APIs and Cloud	GraphQL, REST, OpenAPI, Node.js, AWS (AppSync, Lambda, DynamoDB, S3), Serverless Framework, PostgreSQL, Elasticsearch, Vercel, Docker, Terraform
Tooling	Figma, GitHub Actions, CI/CD, Turbopack, Sentry, Clerk, Git, Agile
AI Development	Claude Code (agentic workflows), Claude Design (design system)

EXPERIENCE

Senior Full Stack Engineer (Frontend), io.finnnet

August 2022 to Present | Grand Cayman

Startup providing institutional self-custody of blockchain assets, built on Multi-Party Computation (MPC) threshold signing.

- Led and architected the complete redesign of the custody platform in Next.js, React, and TypeScript, owning all frontend delivery and making every screen responsive across desktop, tablet, and mobile.
- Built the 90+ component library used by io.finnnet's core product, structured by atomic design on shadcn/ui and Tailwind CSS with accessibility and subtle animation built in, and remain its sole maintainer.
- Built the tokenization product end to end, including a multi-chain deploy wizard for io.finnnet's own EVM chain and Liquid Bitcoin.
- Delivered Solana support, including a two-phase durable nonce signing flow that reconciles Solana's transaction expiry of 60 to 90 seconds with a 24-hour MPC signing window.
- Developed the cross-platform mobile signing app in React Native and Expo, letting users authorize MPC transactions with biometric authentication on iOS and Android.
- Reduced CI/CD pipeline runtime by 60% (from 25 to 10 minutes) with matrix sharding and parallel workers, migrated production builds to Turbopack, and stabilized Playwright end-to-end (E2E) test runs.
- Integrated agentic workflows in Claude Code across the team for test generation and code review, increasing pull request throughput, and mentored a backend engineer on frontend patterns.

Full Stack Engineer, Vortexa

January 2021 to August 2022 | London

Real-time energy analytics platform tracking \$3T+ in global waterborne oil and gas trades.

- Led the frontend architecture and delivery of a real-time data correction tool, working with internal analysts to improve data accuracy across the platform.
- Built React and TypeScript dashboards visualizing real-time shipping and trade data for 5,000+ daily users.
- Redesigned core components of the analytics platform, improving API performance and stabilizing Elasticsearch under high-volume queries against a continuously updated dataset of 1M+ records.
- Rebuilt the internal account management system used daily by the operations team.

Software Engineer, Live Nation Entertainment

April 2018 to November 2020 | London

- Shipped features in C# and .NET Core across 30+ international ticketing sites serving 40+ countries.
- Improved search speed and relevance through Elasticsearch query tuning, bringing response times under 250 ms, and managed deployment and scaling with Docker, AWS, and Terraform for high-traffic services.

Application Support Developer, RibbonFish

September 2015 to March 2018 | London

- Developed and supported client applications in VB.NET, C#, and ASP.NET, plus Salesforce integrations, for publishing and media companies.

PROJECTS

- **Tool402** (ETHOnline 2026, team of two): a Hedera Testnet marketplace prototype where AI agents discover APIs and pay per request via x402, with tokenized funding for tool builders and MetaMask wallet signing. Owned the Next.js 16, React, and Tailwind CSS frontend. ethglobal.com/showcase/tool402-8x70q
- **Hyperliquid Carry Bot** (open source, retired): an automated perpetual futures trading bot that harvested funding-rate payments on Hyperliquid, built in strict TypeScript with a rule-based risk layer, a SQLite audit trail, and Vitest tests. github.com/yannickrocks/hyperliquid-carry-bot
- **Contract Guard**: automated smart contract vulnerability detection for Immunefi bug bounties, built with Claude AI, TypeScript, Next.js, Foundry, and Playwright.

EDUCATION

Master of Science (MSc) in Computer Science, University of Warwick

2015

Certification: Certified Scrum Master | **Languages:** English and French (bilingual)