

JAMES AKPAN

PRODUCT ENGINEER

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A product engineer. Six years in, and I'm still in love with the whole thing: designing, building, shipping, then watching people use it. Most recently, real-time trading interfaces in DeFi.

EXPERIENCE

Pear Protocol — Product Engineer · Remote

Jul 2025 — Jul 2026

On-chain pairs-trading protocol, live inside Coinbase Wallet as a Base / Farcaster mini app.

- Core engineer and top contributor on the Coinbase Wallet mini app — Discover, Positions, trade, deposit/withdraw, onboarding, and Basename resolution with a live leaderboard feed — plus on-chain correctness fixes like a withdraw-underflow bug and sizing leg minimums at the hedger's slippage price to stop partial fills. **Next.js 15, wagmi/viem, Symmio SDK.**
- Built **Agent Pear**, an AI trading-signals product, end to end: real-time signal cards, live WebSocket pricing, shareable PnL cards as dynamic OG images, and a chat interface with streamed reasoning and inline charts.
- Led the v1 → v2 platform migration — moved the dashboard, positions, and trade history off Vertex onto the Hyperliquid v2 SDK, and contributed upstream to the SDK itself.
- Swapped EIP-712 signing for SIWE so Coinbase smart wallets could authenticate, and built custom TradingView pair-ratio datafeeds — entry lines and position arrows — on the trading terminal.

MosaiQ Labs — Frontend Engineer

Sep 2022 — Jun 2025

London startup building a browser-based reading and research platform.

- Rebuilt the company's vanilla-JS Chrome extension into a production React 18 + TypeScript system (MV3), and built the extension ↔ web infrastructure: cross-surface logout sync and right-click highlight capture via dynamic context menus mirroring each project's structure.
- Core engineer and #2 contributor (570+ commits) on the ~63k-line React/TypeScript platform — projects, workspaces, drag-and-drop organization, sharing, and permissions UI.
- Shipped the in-house PDF viewer and annotation system (highlight, annotate, save excerpts) that replaced a commercial PDFTron license, plus co-built the platform's first AI insight engine (LLM-generated article summaries and key points — backend function and frontend), and was the #2 frontend contributor to its successor RAG chat assistant: chat export to PDF/DOCX with inline citations, template drag-and-drop.

Andela — Junior Frontend Developer

Dec 2021 — Aug 2022

Client: Lunchbox.io, a restaurant-ordering platform. Themed and shipped white-label ordering apps for 3+ restaurant brands on Lunchbox's shared React + TypeScript platform — pixel-perfect Figma to per-client themes, through QA to production.

PROJECTS

waiter.now — A full restaurant SaaS (orders, kitchen tickets, inventory, staff), born from a dinner with my wife. Over **\$80k** processed and counting. Next.js 15, Firebase, Supabase pgvector.

Pennah — A platform for personal trainers and their clients: progress, workouts, subscriptions. In private pilot. Next.js 16, Clerk, Supabase.

BlurCast — A Chrome extension that blurs on-page content before you screen-share. Open source. JavaScript.

SKILLS

Languages	TypeScript · JavaScript · Node.js · Python
Frontend	React · Next.js · Tailwind · Framer Motion
On-chain	wagmi/viem · SIWE · Symmio & Hyperliquid SDKs
Data	Supabase · Firebase · TanStack Query · WebSockets
Tooling	Vercel · FastAPI · Sentry · Figma

WRITING

jamesakpan.com/shelf — essays on design, building, and the web.