AMARTYA SINGH

Product Engineer

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Full-stack product engineer, **4+ years**, **AI-native** (Claude Code, Codex, agent skills, LLM products).

EXPERIENCE

Avail **Apr 2025–Present**
Product Engineer *Remote*

- Proposed and architected **ShieldTX**'s backend coordination layer (TypeScript, Bun, PostgreSQL) for private trading on Hyperliquid; it has processed **$2.3M+ in executed volume** across **1,300+ trades** since June 2026.
- When interrupted trades stranded user funds, built event-driven recovery workflows for failed opens, closes, and liquidations that returned **$19K+** across **132 operations** and cut open failures from **19% to 3%** in two months.
- Early releases took **~20s** to open a position; replaced polling with streamed exchange confirmations and parallelized preflight reads to cut that to **~5s**, and brought median close time from **7.5s to 2.7s**.
- To give the team visibility into live operations, built internal ops tooling (React, Hono, Drizzle) for investigating stuck trades, monitoring platform health, and running refunds and fund recovery.
- Shipped automatic withdrawal claiming in the Next.js trading frontend, removing a manual claim step, and coalesced portfolio refreshes to cut redundant reads by **88%** during settlement bursts.
- Built the initial **Nexus** TypeScript SDK and React integration for cross-chain flows; when the bundled UI limited customization, split it into shadcn registry components integrators own and edit (**60K+ npm downloads**).

GAMP **Feb 2024–Apr 2025**
Frontend Engineer II *Remote*

- When GAMP pivoted from a Web3 marketplace to social gaming, shipped the new MVP in **21 days** as one of two frontend engineers, with tournaments, profiles, buddies, rewards, and 5 game integrations.
- Built Rewards, Events, Buddies, and Notifications as GAMP grew to **100K users** and **110M+ gameplay events**.
- To keep crypto invisible to gamers, led the Riot sign-in and Openfort embedded-wallet integration with session keys, provisioning **10K+ wallets**; cut provisioning time from **60s to 15s** with Puppeteer automation.

Mojoboxx **Aug 2023–Feb 2024**
Full Stack Developer *Gurugram, India*

- Built search, booking, and payment flows for a Cleartrip-partner hotel booking platform, integrating Paytm payments, Cleartrip inventory, and maps.
- Wrote REST APIs, optimized SQL queries, and moved client state to Redux Toolkit.

Amadeus **Jul 2022–May 2023**
iOS Developer *London, UK*

- Shipped **10+ features** in Swift, UIKit, and Objective-C for an airport-operations iOS app used by **20+ airlines** for check-in, baggage, and flight schedules.
- Refactored networking and core components to fix stability issues, improving load performance by **~15%**.

SELECTED PROJECTS

Volt · usevolt.app. AI ghostwriter for X that drafts in the user's voice. Designed, built, and launched it solo in **~6 weeks** as a web app and Chrome extension with paid subscriptions.

dex-notch · github.com/decocereus/dex-notch. Native Swift macOS app that shows live AI-agent activity around the notch, released as a signed, notarized build with automatic updates.

xtract · xtract.decocereus.com · github.com/decocereus/xtract. Open-source web tool and CLI that turns X posts and articles into Markdown, text, or JSON for coding-agent workflows.

SKILLS

Languages: TypeScript, JavaScript, SQL, Swift, Objective-C · **Tooling:** Vitest, Playwright, GitHub Actions, PostHog
Frontend: React, Next.js, TanStack Query, Tailwind CSS, shadcn/ui, Redux Toolkit, SwiftUI, UIKit
Backend: Node.js, Bun, Hono, Express, PostgreSQL, Drizzle ORM, REST APIs, WebSockets, event-driven workflows
AI: Claude Code, Codex, coding-agent workflows, LLM integration (Vercel AI SDK, OpenRouter), agent skills

EDUCATION

King's College London — B.Sc. (Hons) Computer Science, 2019–2022