

# AMARTYA SINGH

## Product Engineer

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## EXPERIENCE

### Avail

Apr 2025–Present

Product Engineer

Remote

- Own the backend coordination layer for ShieldTX, a privacy-preserving trading product on Hyperliquid, covering trading workflows, live market connections, third-party integrations, operational tooling, and the frontend API.
- Architected the first coordination service and evolved its lifecycle, external-evidence, and recovery paths so multi-service trades can be resumed and operated safely.
- Architected the initial Nexus SDK in TypeScript and built React integration surfaces for cross-chain bridge, send, swap, and execute flows.
- Rebuilt Nexus UI as source-owned shadcn components distributed through a registry, and built Nexus Elements to make the components installable and customizable.
- Automated versioning, changelogs, and npm publishing through a custom release CLI, and established review standards for the TypeScript and React codebase.

### GAMP

Feb 2024–Apr 2025

Frontend Engineer II

Remote

- Led frontend delivery during a pivot from a Web3 marketplace to social gaming, helping ship the working MVP in 21 days.
- Built Rewards, Events, Buddies, and Notifications as the platform scaled to approximately 100K users and 10K wallets.
- Integrated Riot authentication and Openfort embedded wallets with session keys; reduced wallet-provisioning latency by approximately 60% through Puppeteer automation.

### Mojoboxx

Aug 2023–Feb 2024

Full Stack Developer

Gurugram, India

- Built a Cleartrip-partner hotel booking platform across search, booking, payments, maps, and Paytm/Cleartrip integrations; developed REST APIs, optimized SQL queries, and refactored client state with Redux Toolkit.

### Amadeus

Jul 2022–May 2023

iOS Developer

London, UK

- Delivered 10+ Swift, UIKit, and Objective-C features across 20+ airline apps; refactored networking and core components to improve stability and load performance by approximately 15%.

### CSRN

Jun–Aug 2020

Software Engineer Intern

London, UK

- Built a project-management prototype with distributed teams across multiple countries.

## SELECTED PROJECTS

**Volt** · [usevolt.app](https://usevolt.app) — Built and launched an AI ghostwriter for X as a solo product, spanning product design, a web app, browser extension, long-form writing, profile feedback, and image generation.

**xtract** · [xtract.decocereus.com](https://xtract.decocereus.com) · [github.com/decocereus/xtract](https://github.com/decocereus/xtract) — Built an open-source tool that converts public X posts and articles into Markdown, plain text, or JSON.

## SKILLS

TypeScript, JavaScript, React, Next.js, Node.js, PostgreSQL, Vite, shadcn/ui, Redux Toolkit, Express, REST APIs, WebSockets, npm package development, Puppeteer, Swift, UIKit, Objective-C

## EDUCATION & LEADERSHIP

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

Founder-President, KCL Guitar Society · Head of Events, KCL Cyber Security Society · Travel Coordinator, KCL GloCiti