

Software Engineer comfortable owning surfaces end-to-end, with a focus on UX, real-time execution, and high-performance, polished UIs.

EXPERIENCE

Synchronicity (formerly Nebula)

Full-Stack Engineer

Sept 2025 – Present

- Built the trading client for a private perpetuals DEX from scratch and own its architecture. Primarily frontend, with Go and Rust work when a feature needs it.
- Shipped the full order-entry surface against a live orderbook: order ticket, TP/SL, TWAP, leverage and margin controls, depth ladder, and trade tape.
- Architected the centralized WebSocket layer (service, store, hook, provider) for orderbook streaming, tuning render cycles for sub-second updates without UI lag or CPU overhead.
- Rust: extended the Hyperliquid execution service with end-to-end order modification, resolving by client order ID behind an order-claiming step so concurrent modifies can't reuse a nonce. Added GTC/IOC/ALO time-in-force and stop/take triggers.
- Go: shipped wallet-signed Terms and Privacy consent end to end, from the SIWE statement contract and versioned records through Postgres migrations, handlers, and integration tests. Also referrals, waitlist admission, and grant disbursement.
- Built a no-code strategy builder on React Flow: drag-and-drop condition trees and execution nodes with stop-loss/take-profit, deployed live on-chain.
- Implemented Web3 onboarding, transaction routing, and financial workflows with Privy, Wagmi, viem, and SIWE.

Node101

Software Developer

Aug 2024 – Apr 2025

- zkVot.io: built the client for a censorship-resistant anonymous voting protocol using zero-knowledge proofs, enabling trustless client-side distributed computation for thousands of users.
- Klein.run: led development (Next.js + TypeScript) of a node management platform, designing a no-code install flow that cut node setup time by 70% for non-technical users.

YTU Blockchain Club

Development Lead

Jun 2024 – May 2026

- Won multiple hackathons leading team builds, working alongside smart contract developers on integration.
- Took developers from no hackathon experience to shipping, mentoring on frontend and Web3 fundamentals.
- Ran the club's web products, including the organization site and a Web3 dictionary platform.

Miscet

Software Engineer

Aug 2023 – Jun 2024

- Built the web version of an NFT ticketing platform, handling UI/UX execution and integration with RESTful APIs, then migrated it to React Native for mobile.

PROJECTS

Grant-funded developer library · Stellar

Sembol

- MIT-licensed React library, published as @sembol/passkey-react, that drops a passkey smart-wallet flow into any Stellar app: wallet creation, transaction signing, and balances via Face ID, Touch ID, or Windows Hello, with no seed phrases or extensions.
- Drop-in components over headless hooks, covering recovery, multi-signer, and spending limits, with the WebAuthn edge cases reduced to one typed error surface. Wallets are audited OpenZeppelin Smart Account contracts.

Open-source contributor incentivization

Lazy Dev

- Designed a verifiable rewards system using Reclaim Protocol's zkTLS, automating token payouts tied to GitHub PRs through on-chain verification.

SKILLS

Languages TypeScript, JavaScript, Go, Rust

Backend & data HTTP services, Postgres, schema migrations, WebSockets, REST APIs, integration testing

Frontend React, Next.js, React Native, Tailwind CSS, Zustand, TanStack Query, React Flow, TradingView Advanced Charting, Vitest

Web3 Hyperliquid, Stellar, Wagmi, viem, Web3.js / Ethers.js, Privy, SIWE, WebAuthn passkeys, ZKPs, zkTLS

Tooling Git, Sentry, DevOps pipelines

EDUCATION

Yıldız Technical University, Istanbul

BSc in Computer Engineering