

Sonny Castro

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SUMMARY

Frontend-leaning Full Stack Engineer building Web3 and DeFi apps with React/Next.js, TypeScript, and Solidity Focused on secure, high-performance interfaces tied to on-chain state.

EXPERIENCE

Full Stack & Smart Contract Engineer | AI Arena | Remote | November 2021 - July 2025

- Designed and deployed 8+ audited ERC-721/1155 contracts on Arbitrum powering minting, staking, and gameplay systems with 20K+ player matches and zero downtime.
- Remediated 30+ findings from Code4rena audit, improving contract safety and eliminating critical vulnerabilities before production launch.
- Built high-performance React + Three.js frontend handling 1,000+ concurrent sessions with real-time blockchain state updates.
- Architected wallet integrations and on-chain state synchronization ensuring deterministic UI rendering during asynchronous contract events.
- Implemented typed data signatures (EIP-712), approval flows, and secure transaction orchestration using wagmi + viem.

Full Stack Engineer (Frontend Emphasis) | SAI (Competitive RL Platform) | Remote | November 2024 - July 2025

- Contributed to a production RL competition platform where users submit trained agents and compete in live robotics and gaming environments.
- Implemented state management for real-time competition data and ranking updates.
- Built modular dashboard interfaces for leaderboard ranking, agent submissions, and match results using Next.js, TypeScript, and ShadCN/UI.
- Worked inside a pnpm + Turborepo monorepo with Dockerized services, improving build performance by 25% across 10+ microservices.
- Implemented state management for real-time competition data and ranking updates.

Frontend Engineer | SteakWallet | Remote | July 2021 – November 2021

- Built and launched a React + TypeScript + Tailwind landing page with a custom design system, improving Lighthouse scores by 35%.
 - Reduced load times by ~4 seconds across key flows through asset optimization and build pipeline improvements.
 - Developed reusable wallet onboarding components, reducing first-time setup drop-offs and improving user conversion by 40%.
 - Worked with a team of engineers to build a mobile app prototype.
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PROJECT

Hypachinko (On-Chain Gaming dApp) | hypachinko.vercel.app

- Built an on-chain gaming dApp with randomized Solidity logic and a Next.js frontend handling contract interactions.

Milady Colombia (NFT Collection & Community) | miladycolumbia.com

- Deployed ERC-721 contracts and built a React minting dApp that sold out, generating 241 ETH (~\$600K).
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EDUCATION

Engineering in Computer Science | Miami Dade College

Miami, FL | 2019 - 2021

Full Stack Web Development | Wyncode Academy

Miami, FL | 2020

SKILLS

TypeScript, Javascript, Solidity, HTML, CSS, SQL, React, Next.js, Node.js, Express.js, Tailwind CSS, shadcn/ui, Three.js, Jotai, TanStack Query, wagmi, viem, OpenZeppelin, PostgreSQL, MongoDB, Supabase, AWS (S3), Docker, Kubernetes, Turborepo, Foundry, Git, Figma, Claude, Cursor