

Alejandro Santander

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Engineer with 20+ years building products end to end — realtime 3D engines, decentralized governance, DeFi protocol infrastructure, and for the past two years, AI products. I want to build **AI that amplifies people instead of consuming them**. The conviction I keep coming back to: **organizing information should no longer be human work**. Nobody should have to decide whether a thought is a note, a task or a row in a database, keep a filing system in their head, or remember where they put something. That is the software's job now, and getting it right is the difference between a tool people maintain and one that actually gives them their attention back. Creator of **Ethernaut**, the security CTF that taught a generation of Solidity developers.

EXPERIENCE	
2026 – present	Founder & Engineer Ceibo An AI assistant for families. It carries the invisible operational load parents live with — what the school group chats actually said, what is due this week, what needs paying — and looks after kids without spying on them. Founded the company and built the product end to end. - The hard part is memory: it has to know a family — who needs what, when, and what matters — without being told twice, and answer in plain language. Built that layer: how things are remembered, what is worth keeping, and what gets distilled or forgotten over time. - Runs on self-hosted inference, isolated per family, priced to survive real usage. Also shipped Memu, a smaller WhatsApp-native side product, to reach users sooner.
2024 – 2025	Independent Sabbatical & self-directed work Deliberate pause after four years of high-stakes protocol work, spent going deep on applied AI and building the local inference stack and knowledge tooling that Ceibo now runs on. Continued serving on the Optimism Security Council throughout.
2024 – 2025	Security Council Member Optimism Elected to the body safeguarding the Optimism protocol and its upgrade path; reviewed and signed off on upgrades securing billions in value.
2021 – 2023	CTO Synthetix Set technical direction for a fully distributed team building one of DeFi's largest derivatives protocols. - Signer on the Protocol DAO multisig that owned the production contracts. - Led the deployment of Synthetix onto Optimism with the Optimism core team — one of the first major protocol migrations to an L2.
2020 – 2021	Engineer Aragon Decentralized governance systems — infrastructure that lets organizations run their own decision-making and treasuries on-chain, without a company in the middle.
2018 – 2020	Security Researcher OpenZeppelin Created Ethernaut, OpenZeppelin's Solidity security wargame — now the standard entry point into smart contract security and still maintained by OZ years after I left. Audits and security research; returned as invited judge for the Ethernaut Hackathon (2021).
2009 – 2016	Senior Engineer & Consultant AwayStudios • UK Core developer of Away3D / AwayJS, a widely used open source realtime 3D engine for the web. Consulting for international clients; co-authored published material on the engine. Sustained work on performance-critical graphics code.
2007 – 2016	Earlier Bluesmart • freelance interactive & 3D Native iOS for a connected-luggage startup (15,000 downloads in week one). Before that, agencies and studios across Argentina, Spain and the UK; civic tech contributor to Democracy OS and Partido de la Red.
SKILLS	
AI	LLM application engineering / agent harnesses & tool calling / RAG & hybrid retrieval / embeddings / local inference (vLLM, LiteLLM) / STT & TTS / AI-assisted development (Claude Code, Cursor)
LANGUAGES	TypeScript / JavaScript / Solidity / Python / Go (reading)
PRODUCT	Node.js / Next.js & React / SQLite & sqlite-vec / Postgres & Supabase / Vercel / Stripe / Linux & self-hosting
ALSO	Smart contract security / realtime graphics / leading distributed teams
SPOKEN	Spanish (native) / English (fluent)