

ELLIOTT ALEXANDER

Developer Experience & Agentic Tooling Engineer

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SUMMARY

Developer-experience engineer with 7+ years building full-stack and blockchain software, 4+ in the Ethereum ecosystem, now specializing in **AI agent enablement**, authoring Agent Skills and context tooling that let agentic harnesses build accurately in complex, adversarial domains. Combines hands-on Solidity/TypeScript engineering with a track record of shipping developer education and tooling that drives real ecosystem adoption.

EXPERIENCE

Ethereum Foundation · Developer Experience Engineer *June 2025 – June 2026*

Tech: TypeScript, Solidity, Next.js, Agent Skills, Context Engineering

- Worked across two layers where LLMs struggle to build on Ethereum. At the harness layer, I helped build [ethskills.com](#), a library of Agent Skills that gives context and guardrails they otherwise lack. At the model layer, I made changes that would help to improve how models understand Ethereum at the source.
- Built and maintained a curated repository of ecosystem tools and resources, and wired the official developer-facing pages to pull from it dynamically.
- Helped drive the team's strategic shift from "Developer Growth" to "Builder Growth," repositioning the org around AI lowering the barrier to building on Ethereum.
- Set the quality bar for Agent Skills across the organization, guiding other teams in bringing their collections up to standard, and pushed cross-team efforts to make tooling more discoverable for builders.
- Oversaw the creation of three new Solidity challenges in the [Speedrun Ethereum](#) curriculum, covering Oracles, Over-collateralized Lending, and Stablecoins.
- Taught Ethereum workshops at universities and conferences that took developers to their first deployed app.

BuidlGuidl · Full Stack Software Developer *Sept 2021 – April 2024 part-time, then full-time through June 2025*

Tech: TypeScript, JavaScript, Next.js, Solidity, MongoDB

- Led a team building the [Ethereum Tech Tree](#), a medium-hard set of Solidity challenges.
- Built [HackedWalletRecovery.com](#), which lets non-technical users retrieve assets from a compromised wallet using Flashbots transaction bundles under the hood.
- Created the [Impact Calculator](#), a prototype for gauging the impact of retroactive public goods funding that helped guide the Optimism Foundation toward metrics-based builder rewards; built a Scaffold-ETH 2 extension highlighting the Arbitrum ecosystem.

BitPay · Back End Engineer *Feb 2022 – April 2024*

Tech: TypeScript, Node.js, Solidity, MongoDB, Docker, Mocha

- Primary focus on Bitcore, an open source monorepo providing a standardized API across multiple blockchains; added Polygon support across internal tools and made the codebase more easily extendable to other EVM chains.
- Updated and deployed a new Solidity invoicing smart contract to fix a bug blocking some ERC-20s; the prior contract had processed \$470M in value. Added all supported ERC-20 token contracts to the test suite for precise testing.
- Trimmed wallet-supporting database storage by 70% for EVM chains; built internal tools for replacing transactions on EVM and UTXO chains and an app validating internal accounting ledger updates via a quorum of nodes.

Devnext · Full Stack Software Developer *Jan 2019 – Feb 2022*

Tech: TypeScript, JavaScript, Angular, C#, SQL

- Maintained and improved dozens of applications: set up ETLs for business-data access, built an extensible cross-database audit-data viewer, and created tooling for non-technical users to build custom formulated queries.
- Built a public-facing Angular app for volunteer-opportunity management, extended an email-campaign tool to support SMS, and helped establish team git best practices during a migration from TFS.

PROJECTS

[Claude Code Session Explorer](#) · *Open-source npx utility* · [GitHub](#) · [NPM](#)

- Built an open-source npx utility that analyzes Claude Code sessions to measure whether a skill or MCP server is steering the agent effectively, surfacing context composition, the token cost an integration adds to the context window, and where it helps or bloats the agent's work.

[Human-in-the-loop Transaction Approval](#) · *Open-source npx utility* · [GitHub](#) · [NPM](#)

- Built an open-source npx utility that lets an AI agent hand a fully-formed transaction to its owner to review and approve in a local browser wallet, so the agent never holds a private key; ships as an Agent Skill that coding agents can invoke directly.

[How Was My Wallet Hacked?](#) · *Web app* · [Website](#) · [GitHub](#)

- Built a web app that walks crypto-wallet hack victims through a guided diagnostic of roughly fifteen to twenty questions to pinpoint how their wallet was most likely compromised, then teaches the opsec practices to keep it from happening again.

EDUCATION

Thoughtful Coding Bootcamp · **Computer Software Engineering** *Fall 2018*

- Completed a 6-month bootcamp in half the time on the strength of three years of prior self-teaching; focused on JavaScript, Node.js, MongoDB, SQL, React, Redux, and algorithms & data structures.

SKILLS

AI & Developer Tooling: Agentic coding harnesses (Claude Code, OpenClaw, Hermes) · Agent Skill / SKILL.md authoring · Context engineering for LLMs · Technical curriculum & education

Advanced: HTML / CSS / JavaScript · TypeScript · Node.js · Solidity · MongoDB · SQL · CI/CD · Communication & Empathy

Proficient: React / Next.js · Docker · Cryptography concepts · Mocha