

Ethan Breitzkreutz

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Open Source Contributions

- **Anchor** - Contributor | Solana smart contract framework (>\$1T annual on-chain volume)
 - [#4523](#) — Migrated anchor-syn and proc-macro crates from syn 1.x to syn 2.0, unblocking MSRV upgrade across the framework.
 - [#4520](#) — Fixed a v1.0.2 regression where programs using modern Rust syntax would cause cascading IDL build failures by restoring silent-fail behavior in the crate parser.
 - [#4854](#) — Corrected a misleading IDL build diagnostic, with added compile-time and runtime test coverage.
 - [#4522](#) — Restored verifiedBuild() by migrating from a defunct API to the OtterSec verification registry.
- **Surfpool** - Contributor | Solana local dev environment (solana-foundation)
 - [#658](#) — Fixed crashing when paginating across local and remote Solana transactions.

Projects, Startups and Hackathons

- **Teleta Vox** — Co-founder | Voice-first AI CRM for Canadian real estate agents. **Secured \$20K commitment** from Royal LePage; MIT Global AI Hackathon. [GitHub](#)
 - Document-extraction pipeline for real estate transactions: groups documents by deal with no incorrect groupings, rejects extracted fields not appearing verbatim in the source, and verifies signatures — identifying signers, flagging unsigned contracts, escalating ambiguous cases.
 - Designed an evaluation harness with hand-verified ground truth and 240+ tests; used it to cut extraction errors on a benchmark batch from 64 to 4.
- **SatPack** MIT Hack-Nation | Created a lightning-paid agent marketplace. [GitHub](#)
 - Solves the issue of high transaction minimums by allowing AI agents to instantly and anonymously hire other agents in BTC.
 - Exposed the marketplace as MCP tools so AI agents can autonomously discover, hire, and pay each other, using Lightning payment proofs instead of accounts or API keys.

Work Experience

Independent Software Vendor

July 2024 - Present

Run a software business shipping production web apps and AI tooling for paying clients and self-owned SaaS.

- Built an AI-powered CMS and SEO content assistant, plus internal tooling and web presence for 5+ businesses on monthly retainer. [GitHub](#)
- Launched [CurbChat.ca](#), a self-serve AI chatbot SaaS with paying customers that auto-configures to any service business's website by scraping its content and styling. [GitHub](#)

Technical Skills

- **AI:** Claude, OpenAI, Codex, DeepSeek, Gemini, ElevenLabs, OpenRouter.
- **Infra / Data:** Digital Ocean, Dokploy, Vercel, Cloudflare, Linux, Supabase, MongoDB, Qdrant, Firebase, Git.
- **Payments / Auth:** Stripe, BTC Lightning network, L402, MoneyDevKit, Auth.js, Oauth, Twilio.
- **Languages:** JS, TS, Python, Java, SQL, R, Rust, C++.

Education

BSc in Computer Science

University of British Columbia

Sept 2025 - May 2029