

LOGAN BRUTSCHE

DIGITAL ARCHITECT/DEVELOPER

CONTACT

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TOOLS AND SKILLS

- Strong in Solidity, Typescript, Python.
- Expert in C++, Elm, Lamdera.
- Proficient with HTML, PHP/MySQL, and basic Linux server and website administration.
- Familiar with Javascript, Typescript, CSS.

WORKING WITH ME

- Can facilitate deeply creative and impactful conversations between team members.
- I have to be connected to the spirit of the project. Why are we doing this? With this connection, I naturally bring value beyond the strict job description.

EDUCATION

University of Alaska Fairbanks

2009-2013

Studied Mechanical Engineering.
Completed 4 years of a 5-year degree.

Stopped pursuing engineering after
discovering Bitcoin in 2013.

Spent four years studying and
experimenting with crypto, entering the
field professionally in 2017.

PROFILE

- Digital architect, strong in designing full-stack systems (web2 or web3) from the bottom up, from inception to execution.
- Founder Mentality: I will run at technical problems like a bull, and find a way through them.
- Experienced in balancing speed of execution and elegance of design.
- Comfortable leading technical teams.
- I seek to understand the vision of the project, to align myself with the work at a deep level and ensure the work resonates with its ultimate application.
- Strength in adversarial thinking and game theory, applicable to principled design of decentralized applications.

WEB3 EXPERIENCE

Senior Solidity Developer

Vaporware (<https://vaporware.network/>)

Aug 2023 - Jan 2024

- Architected and implemented smart contracts to Vaporware products to use NFTs and other Ethereum tools.
- Hardened smart contracts with regard to security confidence, via tests, audits, and other methods.
- Worked with the rest of the team to ensure appropriate integration with the smart contracts.
- Short stay was due to an unexpected downsize of the team from 5 people to 2, due to a radical pivot in technical approach.

Senior Developer

Sumero (short-term contract)

May 2022 - Oct 2022

- Took over maintenance and upgrades of complicated smart contracts from Uma, which facilitated requesting, settling, and disputing oracle requests.
- Wrote documentation and instructions for the above contracts for in-house use.
- Added requested features to the Sumero front-end (Typescript + Vue), mostly related to creating and managing new synthetic assets via the above-mentioned contracts.
- Stabilized and cleaned up front-end code (Typescript + Vue) and significantly reduced technical debt from a previous developer. With the tech lead, helped to establish project-wide code principles.

CEO / Tech Lead

Foundry

Jan 2019 - Jan 2022

- Foundry was to be a "sovereign DAO", capable of developing radically free products, even in the face of aggression or legal attacks from nation-states.
- 2019/2020: Tech lead, focused on SmokeSignal and DAIHard (see Portfolio, next page). This involved primarily Solidity and Elm, and some server administration.
- 2021: Transitioned to CEO role, focusing more on hiring talent, finding product-market fit, scaling, and seeking funding.

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WEB3 FULL-STACK DEVELOPER

PORTFOLIO

Coinfight (WIP)

[website](#)

Role	Solo Developer
Languages	C++; some Python, Elm, Solidity
Other Tech/Skills	Game Engine Design

An RTS game where users fight over crypto in-game. See [coinfight.io](#). Users sign into a multiplayer match by downloading the client, performing a web3 signature, and depositing funds to play with. Players then compete over a honeypot of crypto by building armies. These armies take crypto investment, which upon death is dropped onto the battlefield for anyone else to pick up, capture, and withdraw. "Like Poker, but the chips shoot at each other!"

SmokeSignal

[app](#) [github](#)

Role	Solo Developer / (later) Tech Lead
Languages	Solidity, Elm; some Javascript
Other Tech/Skills	Web3.js

Uncensorable chat forum where users can tip each other for content. Fully decentralized clone of Reddit functionality (nested comments in topical forums), implemented entirely via Ethereum smart contracts and an Elm/Javascript front-end. Also implemented a unique identicon scheme for user reputation/identity--see the "phaces" for each user. Even without maintenance the tool is still live: <https://smokesignal.eth.link/>.

DAIHard

[demo video](#) [github](#)

Role	Solo Developer
Languages	Solidity, Elm, Javascript
Other Tech/Skills	Web3.js, Game Theory

DAIHard was a crypto/fiat exchange built entirely with Ethereum smart contracts, so that there was no central server anyone could take down. The application was designed to continue to function even in adversarial jurisdictions. Demo [here](#). note this app uses no backend server at all, even for encrypted chat between users.