

Education: Bachelor of Science, Computer Science, May 2014. College of Science and Engineering, University of MN Twin Cities.

Technical Skills: **Programming Languages:** Javascript, Rust, GoLang, Solidity, Java, C#, Python, Ruby, C++, Lisp, HTML, CSS, Php
Software and Technologies: NodeJS, ReactJS, Redux, AWS, Postgresql, Docker, DIP, Kubernetes, Spring, Web3, IntelliJ, MS Visual Studios, SQLServer, Sublime Text, D3.js, Jira, Rails

Experience: VP Engineering ([EdenLedger Inc, D.B.A. FanVestor™](#). San Francisco, CA) Sept 2019 – Mar 1st 2020.

- Lead and grow engineering organization and oversee the vision for the technology.
- P&L – responsible for FanVestor™ engineering and IT budget, ensuring company is making effective use of its resources, choosing cost-effective and best-in-class solutions for software development.
- Manage the engineering team directly, providing code reviews, mentoring and progress development goals.
- Chief Architect – defining and overseeing the way code is implemented. Review code as it is committed and provide guidance to engineers in terms of improving design patterns, best practices, test coverage, scalability.

Blockchain Architect ([Monacle Trade](#). Seoul, Korea) June 2018– Sept 2018.

- Decentralized Options. Issue and settle European style Options over a decentralized network.
- Wrote Technical Whitepaper for decentralized clearinghouse technology that was actively being developed by myself and team.
- Functionality for settling European style Option Calls or Puts for digital assets. Initial demo supported onchain Options settling in Ether or Stablecoin tokens without needing a central authority.

VP Engineering ([Fr8 Network](#). San Francisco, CA) Jan 2018 – June 2018.

- Lead Software Engineer developing a Mobile Wallet, Chrome Extension Light Client, Frontend CRM React Web App and Backend interfacing each client component into a complete software suite.
- Built a Queue based web worker automating KYC/AML for user registration/onboarding via Redis, Celery, Node and Sendgrid API.
- Implemented industry best practices for user privacy and security. Designed inhouse 2 factor verification for Mobile Wallet and Chrome Extension Client. Encryption and Decryption methods utilized Elliptic Curve Cryptography.

Senior Software Engineer ([Branch Metrics](#). Palo Alto, CA) April 2017 – Sept 2017.

- First to market implementation of AMP rendering dynamic templates via SDK, giving customers both unrivaled SEO ranking while still retaining javascript integration that allows customer segment analysis and upsells.
- Rewrote much of the core features of a B2B analytics dashboard using latest React Redux frontend patterns resulting in a 300% improvement in client load time on all devices.

Technical Consultant and Software Engineer ([Keystone Strategy](#). San Francisco, CA) May 2015 - April 2017.

- Designed API layer and data models on Server level. Updated front end to use async libraries to communicate in real time. Implemented responsive design, async real time client calls, multiple keyword matching searching and filtering.
- Design and develop security architecture for client business requirements. Presented technical diagrams for data and network architecture, along with encryption standards used for standards review.

Appears In: For full list of tech talks, [see Extended Bio on Medium](#). Live Demo at ETH San Francisco on Zero Knowledge Voting, viewable on [Youtube](#).

Speaking alongside major industry leaders from Microsoft, IBM, E&Y, Nike discussing role of blockchain tech in Los Angeles at H&M Corporate. [Official press release on H&M](#).

Teaching a full day worth of courses to students from top 3 Universities in Seoul, Korea who were [part of a multi-weekend Hackathon event](#) prior to Deconomy 2018.