

Danny Fung

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Full Stack Software Engineer with over **5 years of experience** and over **3 years at start-ups**

Experience

Founding Engineer, Unlonely – San Francisco, CA

May 2023 – November 2024

- Took sole ownership of and significantly refactored Unlonely’s live streaming platform (web and mobile) and added quality-of-life and design improvements to user authentication, DeFi wallet connection, and the user experience
- Deployed Solidity smart contracts and token factories enabling users to pay for channel features, boosting streamers' visibility on the leaderboard as their token prices rise with purchases
- Built a dashboard and its features that realized the most successful company-owned show on the platform by far, and optimized architecture to support 10k+ live viewers and generate \$250k+ in revenue from \$BOO token trading fees
- Automated updates for leaderboards, database, and cached token prices with cron jobs by leveraging AWS Lambda functions, S3, and event schedules to strike a balance between accurate data and resource usage
- Implemented frontend support for the Base network and the Solana chain, allowing viewers to use our gamified features (voting and betting) to decide the outcomes of live stream events, driving up viewer interaction with streams
- Developed a cross-stack feature that allows users to mint non-fungible tokens on the Base network using clips from a live stream as metadata to showcase platform activity and ensure true ownership of the clip as a unique digital asset
- Established models on the PostgreSQL database to track and chart historical data to determine business goals
- Created two web servers to run interactive posts on the social media platform Farcaster: one for subscribing to streaming channels and another for buying/selling tokens at dynamic prices, enabling user actions outside our app
- Architected real-time client-to-client UI updates to sync the immersive watching experience for all viewers of a stream

Front End Developer, Solace – San Francisco, CA

March 2021 – May 2023

- Led the frontend development of Solace’s key pages, each serving a core business purpose; including a staking pool to acquire underwriting capital, a portfolio simulator pricing coverage on DeFi positions and projecting safety scores using a risk assessment engine, and a voting platform to set insurance coverage limits for participating protocols
- Built an interactive dashboard that tracks token volatility, premium charges, and cover limits to gauge user interest
- Mentored a junior developer to ensure alignment on coding standards and best practices for our agile work approach
- Drafted purpose-driven interface designs to facilitate team discussions and align expectations on the user journeys

Software Engineer, San Diego Supercomputer Center – La Jolla, San Diego

Jul 2019 – Sept 2020

- Developed the user interface of a web prototype for a research paper (doi: [10.2196/18623](https://doi.org/10.2196/18623)) using React, Node.js, and Solidity; provides support for the argument to prevent fraud and abuse in the healthcare industry by using a permissioned blockchain model to track provider claims, patient services, payer adjudications
- Trained on using cloud technology (AWS, GCP, and Azure) and earned the certificate upon course completion

Front-end Developer Intern, LedgerSafe – La Jolla, San Diego

May 2019 – Sept 2019

- Developed the user interface of a FinTech React web application that runs on distributed ledger technology

Software Engineering Intern, Blockchain Technology Group, LLC – La Jolla, San Diego

Oct 2018 – Dec 2018

- Developed a React app of a cryptocurrency wallet to track Florincoin token balance and transaction histories

Skills

Languages & Architectures: TypeScript, JavaScript, Solidity, GraphQL, SQL, PostgreSQL, RESTful API, Python, C#, C++

Frameworks & Platforms: React, Next.js, Chakra UI, Bootstrap, Express, Vue, Gatsby, Bulma, Tailwind, Material-UI

Tools & Libraries: Node.js, Git, Wagmi, Ethers, Redux, Hardhat, Jira, Truffle, Ganache, Styled Components

Infrastructure: AWS, Vercel, DigitalOcean, Alchemy, Netlify, GCP, Heroku, Infura, Firebase, MongoDB, Docker

Education

University of California, San Diego – Bachelors in Cognitive Science, Minor in Computer Science

March 2020