

Daniel Steigman

Software Engineer

(650) 388-8615
Daniels@dual4t.com
San Francisco, CA
<https://ntrek.dev>

Results-oriented professional with **5+** years of software experience and more than **7** years of work experience with a proven track record in developing software and hardware products. Aiming to successfully fill a software development role at your company.

SKILLS

- Languages: **JavaScript, Golang, Python**
- JS Frameworks: **React, Redux, Ethers/viem**
- Databases: **SQL, MongoDB, Datastore/Firestore**
- Product development expert
- Strong communication and interpersonal skills
- Software and hardware implementation

WORK EXPERIENCE

Software Engineer

Fun.xyz, San Francisco, CA

Apr 2023 - Present

Joined Fun.xyz to work on the cutting edge of EIP-4337 Account Abstraction wallets. I led the creation of the @FunKit/**React** npm package enabling faster customer onboarding for **React** developers. After a successful launch, the react SDK ended up being the primary customer-facing product at Fun. Recently I have been working closely with the CTO to elicit customer feedback and improve developer experience. As part of the fast-paced startup team I:

- Led the front-end development team in improving code quality while maintaining a rapid pace
- Developed custom **React** hooks for asynchronous tasks of validating and broadcasting transactions
- Created a custom Plugin for **Magic Link OAuth** to support social login to Fun wallets
- Modernized their demo app using the **React** SDK and implemented proper testing
- Worked directly with customers to integrate our smart wallet technology into their products.
- Led the development of a new Docs site, wrote and improved product documentation
- Taught **JavaScript** and **React** principles to the junior staff

Software Engineer

Nugbase, Mountain View, CA

Apr 2020 - April 2023

Co-founded blockchain startup *Nugbase*, with a team to design and develop *Flowerpatch*, a currently-active Ethereum/Polygon NFT collection and web-native game. As part of my role, I managed business development and operations, including hiring, taxes, legal, sales, and extensive community development.

Engineering at Nugbase

As I evolved into more of a developer role I started to focus on pain points affecting user growth. Some achievements:

- Designed and implemented a whole new login interface using **Web3.js** which displayed new supported wallets such as Wallet Connect and Portis
- Created a new user profile system using **Protobufs** to store arbitrary key-value pairs tied to accounts, allowing for easily extensible and arbitrary account data to be stored

Nugbase Contracting

As the company evolved we quickly realized the cutting-edge technology we had built for *Flowerpatch* was highly valuable to other companies trying to enter the Web3 space.

Design and Engineering for Dapper Dino NFT

We then sold another contract development project to *Dapper Dinos*, a popular Ethereum NFT project backed by Gary Vaynerchuk. Our goal was to take their existing NFT collection and build a breeding experience on Polygon, including an NFT dating experience called *Dinder* and NFTs which evolve. Working with the *Dapper Dinos* team and our designer we created their product and roadmap, in **Figma**. I managed a team of 3 developers by setting the deliverables and creating our schedule to deliver a full application over a 9 month period.

As Lead Developer:

- Implemented the initial **React** boilerplate, including using all of our new **Web3.js** login systems and **Go** backend web server
- Implemented a Baby Dino minter service in **Go** which mints NFTs on **Polygon**. The server tracks breed payment logs using our technology and implements my breeding algorithm to generate new baby dino NFTs
- Implemented a Dino watcher service in **Go** using proprietary *Nugbase* event log technology tracking tech to watch for mint events, which also allowed users to hatch their eggs and watch them grow to full Baby Dino NFTs, triggering the render service
- Built the custom Baby Dino image rendering service in **Go** that uses an extensive config file and Dino image parts to render full Baby Dinos when they hatch from egg form. Worked directly with the lead designer to build the detailed configuration to ensure only good-looking Dinos would be hatched

Solidity Work

As an early crypto engineer, I spent some time building products that required some smart contracts such as:

- Implemented a Game Item store in *Flowerpatch* using the new vending machine contract and our **Go** backend
- Implemented ERC1155 support for the *Redeemable* app. Wrote and deployed the ERC1155 smart contract in **Solidity**. Added support for the new asset in the *Redeemable* app

Full Stack Web Developer

Agromation, Corona, CA

Oct 2019 - Aug 2020

After completing a Berkeley Coding Bootcamp I sold a contract development project to a company trying to make their **Siemens** PLC-powered indoor agriculture product accessible over the internet.

- Developed a web application in **React** for remote monitoring and control of the client's product. Used **Firebase NoSQL** on **Google Cloud Platform** for hosting and user authentication
- Read data off their **Siemens** PLC, using a custom **Linux**-based server for a **Siemens ARM** computer. The server used an **SQL** database to store historical data and send live data securely through a **VPN**
- Wrote a **Node.js** Message ingestion service which reads **MQTT** messages received through the **VPN** and makes the data available to the web application

Director of Innovation

BHOGART, San Jose, CA

June 2015 - Jan 2018

I joined as employee number 6 to provide technical support and sales both in-store and over the phone for our wide range of highly specialized hydrocarbon extraction systems. I also managed a sales team across 4 store locations in 2 states and personally handled highly complex sales ranging in value from a quarter to half a million dollars regularly, including manufacturing and product support. Other duties included:

- Implemented **Shopify** for our website and point-of-sale software, including **web design** and developing complex product listings
- Designed innovative procedures and a new system designed to operate continuously. Created a new solvent recovery system with chemical and mechanical engineers that was much faster than the competition
- Created innovative PTFE (Teflon) based packaging material and helped popularize it with effective branding and marketing. The product, called Terp Proof®, is still in use by the industry to this day

CERTIFICATIONS

- Blockchain Xcelerator, UC Berkeley Blockchain Accelerator 2020