

# Daniel Francoeur

Backend/Smart Contract Software Developer

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## Relevant Experience

### Software Developer @ Alongside Finance

Nov 2021- Present // New York, NY

- ▶ Architect and implement the backend of a new web app and mobile app for investing in index tokens (defi index, layer 1 index, etc.)
- ▶ Implemented the backend/api to provide client side with portfolio statistics (e.g., all the stats you get on the Robinhood app)
- ▶ Researched Collateralized Debt Position architectures (multi-collateral Dai, Synthetix, etc.) and built MVP for token architecture

### Staff Engineer and Team Lead @ Fund That Flip

Jun 2021- Apr 2022 // New York, NY

- ▶ Post Series A and B (+\$30M), helped scale team from 3 to 25 developers (prepared documentation, improved CI/CD, increased automated test coverage, mentored new team members, and improved onboarding experience)
- ▶ Developed and deployed key features for our underwriting/origination/treasury teams (e.g., borrower document upload, sales deal builder, automated distributions)

### Technical Product Manager/Software Developer @ Fund That Flip

Jun 2020 - Jun 2021 // New York, NY

- ▶ Led the development and project management of an in-house broker dealer software solution that now processes >\$1 billion in annual volume and has increased profits per loan by 50%-70% (>\$20 M in savings first year and allowed us to build new financial products to increase investor base)
- ▶ Planned/coded sensitive business logic, backed by a comprehensive test suite to coordinate cash movement between thousands of internal accounts (crowdfunding platform)
- ▶ Built a reliable system that utilized background processing to process >100k jobs/day
- ▶ Served as interim Head of Product from Feb - June 2021: implemented Agile best practices, including sprints and a comprehensive roadmap, improved release notes, and increased cadence of new software releases

### Software Developer @ Fund That Flip

Nov 2018 - Jun 2020 // New York, NY

- ▶ Worked on new feature development and refactoring for front and backend applications, including planning and implementing the distributions logic for paying out to crowdfunding investors (>30k payments/month)

### Finance and Business Operations Manager @ Fund That Flip

Nov 2016 - May 2018 // New York, NY

- ▶ Scaled servicing operations, treasury, finance, and accounting for company that went from \$1-6M/month to \$50M/month in origination volume using low-code tools, SQL queries, and managing

### Associate @ Ernst & Young

Jun 2015 - Nov 2016 // New York, NY

- ▶ Automated team processes using Visual Basic (e.g., automating thousands of emails to third parties)
- ▶ Completed exams to become Certified Public Accountant (still licensed in NY, #122405); consulted on controls, and performed testing/audit work for bulge bracket bank, commodities trading firms, etc.

## Skills

### Programming Languages

JavaScript, Ruby, Solidity, TypeScript, SQL, Java

### Libraries & Frameworks

Rails, Node.js, Express, Hardhat, Foundry, Next.js, Rspec, Chai, Selenium, Ethers

### Tools & Platforms

Git, Heroku, Vercel, Netlify, Prisma, Supabase, Sidekiq, EasyCron, Docker, Miro, Figjam, Loom

## Education

### U. of Connecticut

Storrs, CT

BS Accounting, BA Economics, BA Political Science

Self Study:

Stanford OpenSource CS classes (106a), Clean Code series, General Assembly, Udemy (Intro to Solidity, JavaScript courses, etc.)

## Relevant Projects

### Coalesce (Solidity, JS)

Smart contract protocol for Dollar Cost Averaging into and between select tokens (submitted to Chainlink Hackathon 2021)

### Firesale.art

Protocol for tax harvesting your NFTs (80+ nfts deposited for tax harvesting in 2 days)

### Minter

Automated program to take orders for minting NFTs via flashbots and utilizing mempool searching

### Hardhat/Foundry Repo Template

Template for using Hardhat/Foundry together in the same Repo

## Interests

Improv, trail-running, guitar, yoga, swimming, song covers of my favorite artists