

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, Nextjs, Rspec, Chai, Selenium

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