

Nick Howlett

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Experience

Lively, Inc.

San Francisco, CA

Senior Software Engineer

July 2022 - Present

- Led development for a squad of 3-4 developers to deliver core features to the Lively product, providing mentorship, technical designs, and cross-functional communication
- More than halved dashboard load times for users, brought 95th percentile load times for users from 8 seconds to 2.5 seconds
- Participated in development on numerous initiatives including migration of Lively's TD Ameritrade trading integration to Schwab investments, integration with TPA stream for claims adjudication, and updating KYC/KYB and OFAC monitoring
- Implemented best practice accessibility standards across the Lively app as defined by WCAG

Software Engineer III

June 2021 - July 2022

- Collaborated with design and product to create and maintain a bootstrap-based custom component library
- Converted Lively's legacy frontend pages to modern frontend standards using hooks, redux, and client-side routing with react-router
- Built frontend foundation, claim submission, and card substantiation frontend for Lively's new FSA product
- Implemented dynamic asset loading and branding to support Lively's partnerships with financial institutions like BMO, providing a seamless experience to their users as they accessed their bank's HSAs through Lively.

Software Engineer

June 2019 - June 2021

- Led development on new investment solution end-to-end to allow users to invest their HSA funds with Devenir
- Built performant, pixel perfect features end-to-end in a React.js, Node.js, and PostgreSQL stack, including NPS reporting and emailing, revamping B2C sign-up
- Integrated with Visa DPS to support cardholder actions and nightly settlement as Lively migrated the userbase's debit cards onto a new platform

App Academy

San Francisco, CA

Technical Instructor

May 2019 - June 2019

- Provided hands-on support and mentorship to students undertaking projects using a variety of technologies including React, Redux, Rails, Node.js, Express, MongoDB
- Administered mock interviews and whiteboarding sessions on data structures, algorithms, and system design to prepare students for their job search

Skills

JavaScript, Typescript, Node.js, React.js, Redux, SQL, PostgreSQL, HTML5, CSS3, Rest APIs, Material UI, Bootstrap, Webpack, Git

Education

University of Chicago - Minor, Computer Science, BA Psychology (Honors) 2014-18

- **Curriculum Highlights** - Networks and Distributed Systems, Usable Security and Privacy, Algorithms

App Academy - Rigorous 1,000-hour full-stack software development course with a <3% acceptance rate 2019

Projects

Trigonometry Wars (JavaScript, HTML5 Canvas, CSS, Mongoddb, Express)

[live site](#) | [github](#)

Game where the player tries to survive against waves of enemies with a slow-charging bouncing laser

- Designed a collision algorithm leveraging vector math to ensure the player's laser accurately bounces obstacles and providing pixel-perfect detection for enemy-player, laser-player, and enemy-laser collisions
- Built a high-score board and score submission using a lightweight Node.js, Express, and MongoDB server
- Leveraged custom github pages to run custom deploy step to allow refactor using typescript to build