

# Elan Medoff

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## Work Experience

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### Wealthfront · Web Platform Lead

Senior Software Engineer (January 2024 - present)  
Software Engineer (January 2023 - December 2023)  
Junior Software Engineer (July 2021 - December 2022)  
Software Engineer Intern (Summer 2020)

*Wealthfront is built with Ruby on Rails, React, Next.js, Typescript, Tailwind, React Query, Jest, and Playwright*

Orchestrated quarterly web infrastructure projects

- Oversaw projects to address gaps in testing coverage, toilsome routing infrastructure, missing design system components, and necessary version upgrades
- Emphasized improvements that were feasible, impactful, and had a clear migration path

Standardized data fetching patterns in the web codebase with React Query and custom utilities

- Improved the user experience with caching, retries on network errors, and background data revalidation
- Reduced code complexity by automatically rendering loading / error indicators and minimizing null checks

Participated in other web engineering responsibilities

- Led the weekly web platform meeting
- Triage, investigated, and resolved critical production issues as part of the on-call rotation
- Conducted interviews for prospective engineers, assessing their coding and conceptual skills

Collaborated with a team of engineers, designers, and project managers to develop investment products

- Led engineering work for investment initiatives, including stock movement, and redesigned marketing pages

## Personal Projects

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**use-search-param-state** · [npmjs.com/package/use-search-param-state](https://npmjs.com/package/use-search-param-state)

- An open-source NPM library to seamlessly read and write URL search params as React state
- Includes options to sanitize, parse, and validate the search param. Also supports server-side rendering

**use-stable-reference** · [npmjs.com/package/use-stable-reference](https://npmjs.com/package/use-stable-reference)

- An open-source NPM library to access referentially stable, up-to-date versions of non-primitives in React

**elanmed.dev** · [github.com/ElanMedoff/personal-site](https://github.com/ElanMedoff/personal-site)

- A tech blog with 15+ articles. Includes topics such as: React in different app architectures, advanced Typescript types for React, customizing Neovim, and setting up continuous integration
- Featured by several javascript newsletters, including *Bytes*, *React Newsletter*, and *React Digest*
- Supported by visual regression tests, end-to-end tests for critical flows, and dead-link detection scripts

## Skills

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Typescript, Javascript, HTML, CSS, React, Next.js, React Query, Redux, Node.js, Deno, Git, Bash, Lua, Ruby, Redux Toolkit, MongoDB, Prisma, Python, Ruby on Rails, Jenkins

## Education

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Johns Hopkins University · Bachelor's degree in Computer Science (3.83)