

Jake Nelken

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Open to office, hybrid or remote work. Based in NYC.

Experience

Senior Software Engineer, Datadog – New York, NY

April 2019 – July 2025

- Increased page interactions by 30% after shipping our NetFlow MVP in 1 quarter, leading a team of 10 across backend and product teams using TypeScript, React Context, query request batching and virtualization, and complex data visualizations with SCSS.
- Eliminated all timeouts on our product's firehose view without compromising on content for our largest customers through a combination of query caching, optimization, prioritization / staggering, memoization and virtualization.
- Managed a team of 4 engineers over the years 2022-2024, During this time I built an OKR planning and tracking tool used internally by multiple team leads to coordinate and scope work across stakeholders, and developed a documentation strategy during a period of rapid growth to optimize the use of mentoring minutes between devs.
- Conceptualized and architected a reporting and auditing tool RFC and wireframe for customers based on solving for customers requiring historical data exports for security audits and company record-keeping.
- Regained customer trust through standardizing CSS and UX usage for our metric units across the application, reducing customer frustration during cross-page graph comparisons.
- Built our network device config manager using react-hook-form that features dynamic vendor-based templating, drafting, editing, and remote deployment, allowing customers to skip handwritten YAML and set up their network devices on the fly.

Fullstack Engineer, DV01 – New York, NY

Feb 2017 – April 2019

- Reduced 8 dev hours spent on creating new configurations for new datasets by 86% through designing and releasing a hierarchical configuration inheritance system akin to Chef.io, but for data-specific frontend features.
- Delivered high-fidelity data analysis and modeling products for securitization data using d3, Styled Components, React, Redux, Tanstack Query, Jest, Puppeteer, Scala, SQL and NoSQL datastores.

Software Engineer, Nameless Network – New York, NY

Feb 2016 – Feb 2017

- Built video streaming applications with React and React Native (deployed to the App Store) on NodeJS.
- Implemented query caching, SSR, pagination, websockets (live chat), SQL streaming, SEO, CSS / SASS media queries and query optimizations using windowed SQL functions.

Education

App Academy – Web Development

May 2015

Reed College – BA, Psychology

May 2013