Jake Nelken

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Engineer with a proven record of delivering high-impact, data-driven frontend products scaling B2B SaaS applications for enterprise clients and hands-on leadership experience. Specializes in React, TypeScript, and composable UI/UX.

Experience

Software Engineer - Infrastructure Observability Platform, Datadog – New York, NY   April 2019 – July 2025

- Built, deployed, and maintained B2B SaaS products, scaling front-end infrastructure to support thousands of global enterprise customers across logs, metrics, and network data streams.
- Led NetFlow MVP from rapid prototyping to production, increasing page interactions 30% through high-performance UI optimizations using TypeScript, React Context, and real-time data visualization, and modern architectural improvements.
- Eradicated timeouts for large-scale users on high-volume firehose data views through research-driven query optimization, dynamic caching, and advanced virtualization, directly improving feature reliability for enterprise-scale observability products.
- Guided a team of 4 engineers (2022-2024), instituting an internal OKR planning platform and a streamlined documentation workflow that significantly improved throughput by reducing ad-hoc mentoring
- Proposed and implemented technical architecture for customer-facing reporting/auditing tools, enabling historical data exports for high-regulation clients.

Fullstack Engineer - Data-Intensive B2B Platform, DV01 – New York, NY   Feb 2017 – April 2019

d3, Styled Components, React, Redux, Tanstack Query, Jest, Puppeteer, Scala, SQL, NoSQL

- **Reduced developer productivity bottlenecks 86%** through zero-to-one hierarchical configuration system: Designed scalable, reusable component architecture eliminating 8+ dev hours per new dataset configuration in fast-paced startup environment
- **Shipped complex production applications with high interactivity** for enterprise securitization clients: Built data-intensive analysis products using React, d3 visualizations, and full-stack integration with Scala backends handling large-volume financial datasets

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