

EXPERIENCE

Wayfair

Senior Software Engineer | Storefront Frontend Platforms

Aug 2021 – Jan 2023 • Boston, MA

- Drove Wayfair's first Next.js 100% customer traffic launch burst test via Wayfair Category pages.
- Architected fully replatformed frontend for Storefront applications with Next.js, moved relevant functionality (managing traffic, auth, pixels, translations, dynamic layouts) and data dependencies out of monolith and into decoupled services and continuous integration pipelines via Turborepo.
- Created and standardized new essential libraries and patterns for frontend functionality in replatformed space, adapted new Scribe 2.0 customer/event tracking interfaces for all newly replatformed apps across the company.
- Created and maintained all new monitoring and dashboards for new Next.js application, including performance tracking, error tracking, Kubernetes deployments, differentiating across environments and platforms.
- Implemented Quickview feature in decoupled apps, resulting in 3.88% add to cart rate, \$1MM monthly wins.
- Onboarded, educated and unblocked engineers looking to develop on newly replatformed frontend platform via presentations, documentation, and pairing sessions.

Software Engineer II | Product Details

Aug 2018 – Aug 2021 • Boston, MA

- Nurtured widespread performance culture as domain expert and lead for performance; developed key documentation, guidelines and SLAs; educated other members of the team, e.g. product, engineering, analytics.
- Drove initiatives of intentional data and bundle loading patterns and proof of concept for progressive content loading with 20% improvement in RUM metrics, 0.57% lift in add to cart rate and 3.56% increase in conversion.
- Identified and addressed performance risks and regressions due to feature rollouts, page redesigns; resulted in all-year-best (52 week low) for performance metrics, surpassing competitors' load times by 13%.
- Improved user experience, alleviated content reflow by implementing APIs, patterns to enable frontend teams to create skeleton-state loading flows.
- Guided new engineers as a Wayfair Labs mentor, helping to onboard and promote best practices via JavaScript proficiency program and code reviewership.
- Core contributor to greenfield Product Details Page frontend decoupling initiative, leveraging webpack to restructure all frontend application code (from pre-existing monolith) into distinct, separately maintainable, deployable apps/libraries running in Docker/Kubernetes.

Software Engineer | User Generated Content

Mar 2017 – Aug 2018 • Boston, MA

- Launched first site-wide implementation of React + Redux + GraphQL to display customer reviews, ratings and photos on all product pages on Wayfair.com and all sister brands and geos.

Northrop Grumman Electronic Systems

Software Engineering Intern | Manufacturing Systems

Summer 2014, 2015 • Baltimore, MD

- Created database-driven application in JavaScript and Oracle DB to automate policy compliance for all of the facility's networked machines and devices.
- Designed and implemented testing procedures software to support manufacturing facility.

PROGRAMMING | JavaScript • TypeScript • React • Redux • GraphQL • PHP • HTML • CSS • SQL • Python • Java

OTHER | Next.js • Webpack • Express.js • Node.js • Datadog • Docker • Kubernetes • Git • Grafana • Kibana

EDUCATION

CORNELL UNIVERSITY • Bachelor of Science in Computer Science

Minor in Information Science • Grad. May 2016