

PROFESSIONAL SUMMARY

Principal engineer with a track record of transforming developer experience and platform efficiency in large organizations. Led initiatives that delivered multi-million dollar business impacts through improved frontend performance, developer productivity, and system architecture.

WORK EXPERIENCE

Atlas, a Hunt Club Company

Boston, MA · August 2023 - Present

Principal Engineer

- Led application-side implementation of reachability features, collaborating with the data platform team
- Streamlined frontend CI/CD processes for improved efficiency
- Optimized Elasticsearch query patterns and document schema, reducing response times by 50-70% at scale
- Developed frontend for AI-powered search, integrating with a Python backend
- Designed and built core full-stack features using React (TS), React-Relay, GraphQL Ruby, and Rails, including guided onboarding with interactive visualizations, entity management views (table, card, kanban), automations for dynamically updating lists, and publicly shareable, server-side rendered embeddable links

Wayfair, LLC

Boston, MA · January 2017 - August 2023

Solutions Architect - Frontend Platform & Customer Experiences

January 2023 - August 2023

- Drove \$10M GRS impact by leading cross-org alignment on latency SLOs, achieving p75 Time to First Byte (TTFB) reductions of 100-300ms and Largest Contentful Paint (LCP) improvements of 300ms-1s
- Proposed a centralized redirect service to unify Web and App logic, eliminating unnecessary redirects and reducing TTFB and LCP by up to 50% for redirected pages
- Partnered with team leads to develop execution plans and end-to-end architecture diagrams for migrating pages from a monolith to GraphQL microservices with Apollo Federation

Staff Engineer - Frontend Platform

March 2020 - January 2023

- Defined the long-term vision for the Frontend Platform in a 1,500+ engineer organization, leading roadmap planning and bi-weekly refinement meetings
- Shaped engineering culture by speaking on panels, conducting org-wide interviews, and refining the frontend hiring process
- Advocated for under-served internal and supplier-facing frontend developers, driving a strategic split in the Frontend Platform team's workstream
- Architected and built a company-wide dependency graph and health tracker (GraphQL API + React app), crucial for responding to log4j vulnerabilities
- Authored RFC and architecture decision record for adopting a Turborepo monorepo, resolving dependency management and deployment issues
- Maintainer of an open-source package enforcing single dependency versions in Yarn and PNPM monorepos
- Championed Next.js adoption by developing a proof of concept and extending internal deployment tooling to support it
- Led a cross-department initiative to adopt PKCE authentication for SPAs, removing security blockers for teams migrating from a monolith
- Partnered with an engineering team to build a change propagation system for 2,000+ repositories, contributing to FastAPI service development, React-based configuration UI, and dynamic execution patterns using Docker
- Reduced build times by up to 60% for 200+ applications via a BuildKite plugin optimizing NPM dependency caching and validation
- Automated pre-release package publishing in CI to streamline development workflows

- Secured buy-in for innersource adoption, making GitHub the internal source of truth for roadmaps and epics, and introduced the "Epic Champion" role to improve planning

Senior Engineer - Frontend Framework & Infrastructure

March 2019 - March 2020

- Led migration from custom monolith tooling to decoupled applications using Webpack, mentoring junior engineers on new tools and architecture patterns
- Enabled 150+ applications to decouple from the monolith by developing a BuildKite plugin to manage Docker and Webpack build/deployment, including asset uploads to GCS and multi-environment support
- Designed and authored core JavaScript libraries for logging, tracking, performance monitoring, and shared Redux setup
- Built Babel & Webpack plugins for a custom GraphQL persisted query implementation
- Automated code modernization by writing jscodeshift scripts to replace deprecated tools and patterns
- Developed custom ESLint rules to enforce internal coding standards
- Led React 16.8 upgrade in a large monolith, documenting best practices and co-authoring training materials on React hooks

Software Engineer II - Streaming Notifications

October 2017 - March 2019

Software Engineer I

January 2017 - October 2017

- Architected and delivered full-stack notification campaign system with JSON schema-driven React/Redux UI and Java/Dropwizard backend, enabling self-service configuration for 25+ teams
- Led JavaScript code reviews and mentoring initiatives for an 80+ person department, building out the reviewer pool and contributing to the internal design system

IBM

Littleton, MA · May 2016 - January 2017

Software Engineer I

- Led development of configurable cross-platform UI and test automation tooling for Sterling Order Management (OMS), including SQL transformation tools and test suite interfaces that improved team productivity

EDUCATION

University of Maine

Orono, ME · May 2016

B.S. Computer Science · *Magna Cum Laude, Phi Beta Kappa, Upsilon Pi Epsilon*