

Kirk Longuski

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Summary

10-year veteran Front-End Architect and Team Lead specializing in the modernization of complex enterprise systems using TypeScript, React, and Vue. Proven track record of technical excellence, including driving a 40-point Lighthouse performance uplift and scaling automated test coverage to 90% across distributed repositories. Deep expertise in bridging engineering and product goals, managing agile workflows, and implementing robust CI/CD pipelines (Azure DevOps/AWS). Experienced in hiring, mentoring, and leading cross-functional teams within HIPAA-compliant Healthcare and E-commerce environments.

Technical Skills

Languages & Core: JavaScript (ES6+), TypeScript, HTML5, CSS3/Sass.

Frameworks & Libraries: React, Next.js, Vue 3, Nuxt, React Native, Redux.

Testing & QA: Jest, Cypress, Nightwatch, Snapshot Testing.

DevOps & Cloud: Azure DevOps (Boards/Pipelines), AWS (S3/CloudFront/Lambda), ArgoCD, Git.

Leadership: Agile/Scrum, Sprint Planning, Hiring, Mentorship.

Professional Experience

SENIOR CONSULTANT | IMPROVING LLC REMOTE | NOV 2022 – PRESENT

Team Context: Lead Frontend for a team of 5-10; Liaison to Design, Product, & Data.

Modernization & Performance: Modernized legacy internal tools, improving Lighthouse scores from mid-40s to high-80s within 3 months.

Quality Engineering: Architected a testing strategy that increased automated coverage from negligible to ~90% across the codebase.

Feature Delivery: Designed and delivered a React Native medication adherence flow and a new component library in Storybook.

Leadership: Managed ticket triage, led retrospectives, and conducted candidate interviews for team growth.

Tech Stack: TypeScript, React, Next.js, Vue 3, Azure DevOps, AWS (Lambda/S3), ArgoCD.

SENIOR SOFTWARE ENGINEER | SHARPER IMAGE REMOTE | JAN 2022 – NOV 2022

Team Context: Frontend Lead (Team of 2); Mentor to Junior Developers.

Optimization: Implemented A/B testing infrastructure (Optimizely) and managed Edge/CDN caching strategies via Edgio.

Mentorship: Recruited, hired, and mentored a junior developer to alleviate bandwidth constraints.

Legacy Management: Documented and maintained undecipherable legacy code when no previous developers remained.

Tech Stack: TypeScript, React, Next.js, GitHub Actions, Edgio (CDN), Optimizely.

SOFTWARE ENGINEER | NOKIA DEEPFIELD ANN ARBOR, MI | MAY 2017 – JAN 2022

Team Context: Core Frontend Team (10-20 engineers); partnered with Backend Engineering on data-intensive applications.

Complex Data Visualization: Engineered high-performance interactive dashboards using D3.js and Highcharts, transforming complex network data into actionable insights for end-users.

Legacy Modernization & Architecture: Led the strategic migration of a massive monolithic application from a proprietary home-rolled framework to a modern React/Redux architecture, significantly improving code maintainability and developer velocity.

Technical Leadership: acted as a key evaluator for team growth, conducting ~20 technical interviews and refining resume review processes to raise the bar for engineering talent.

Feature Development: Designed and built complex, dynamic user forms and data inputs that drove the underlying visualization engines.

Tech Stack: TypeScript, React, Redux, D3.js, Highcharts, HTML5/CSS3.

FRONT-END ENGINEER | MOUNTAIN PASS SOLUTIONS ANN ARBOR, MI | JAN 2016 – FEB 2017

As the sole front-end engineer, redesigned the core customer-facing platform and implemented the company's first end-to-end testing suite using Nightwatch.js and jQuery.

FULL STACK ENGINEER | DOT SIGNAL REMOTE | MAY 2015 – DEC 2015

Developed mobile-first real estate mapping applications and managed data integration in a full-stack PHP and JavaScript environment.

Education

Northwood University | Management of Information Systems

2011-2015