

Justin Lupica

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Frontend Software Engineer | React and JavaScript Specialist

Passionate Front-End Engineer with nearly **5 years** of professional experience, specializing in **React, JavaScript/TypeScript, Tailwind CSS, and UI/UX design**. Originally starting with a background in 3D design and animation, I transitioned into front-end engineering to combine my creative vision with problem-solving, aiming to create impactful experiences that improve users' lives. I excel at translating complex business requirements into intuitive, scalable front-end solutions, while collaborating with cross-functional teams. Known for my attention to detail, I am highly proficient in accurately replicating designs in code and delivering responsive, high-quality applications.

WORK EXPERIENCE

Frontier Communications

01/2023 - Present

Software Engineer III

- Pioneered the SYNC application UI/UX, achieving a **40% reduction in ticket resolution time** by streamlining processes for faster, more accurate troubleshooting by NOC technicians, resulting in **\$10M+ annual cost savings**.
- **Led a development team of 4**, often collaborating with the Director and project managers to ensure timely delivery of UI components through adherence to code quality and maintainability best practices, **accelerating project timelines by 20%**.
- Improved operational performance, reducing redundant truck dispatches by **60%** and introducing real-time data that enabled NOC technicians to proactively troubleshoot internet outages, leading to a **\$10M+ annual cost savings**.

iWerk

02/2022 - 12/2022

Software Engineer

- **Contributed to high-impact websites** including Caliber Collision, Biggby Coffee, Hudsonville Ice Cream, and YMCA, creating and troubleshooting components that improved functionality and user experience for over **50,000+ customers**.
- **Managed the Caliber Collision website** using React and DotCMS, developing new components and managing content updates, which enhanced site performance and user engagement.
- **Led end-to-end development** of web and mobile applications for clients by leveraging technologies such as Firebase, GraphQL, WordPress, and React/React Native, ensuring seamless functionality and user experience across platforms.
- **Mentored junior developers**, providing expertise in React, JavaScript, and best front-end development practices, contributing to **team growth** and **improved technical capabilities**.

Tranztec

07/2021 - 02/2022

Software Engineer

- **Developed and implemented frontend and backend features**, using Meteor JS, for software that managed the logistics of **100,000** truckloads annually, streamlining operations for transportation companies.
- **Pioneered new features and contributed to critical bug fixes**, enhancing software performance and usability, directly impacting how dozens of transportation companies conduct business.

Eston's Enterprises

06/2020 - 07/2021

Software Engineer

- Developed an online ecommerce store that has enabled the company to bring in \$600,000 in sales per year.
- Leveraged strategic design and functionality enhancements to optimize user experience, resulting in increased sales and improved customer satisfaction metrics.

SKILLS

Languages: CSS3, HTML5, JavaScript, TypeScript

Technical Skills: CI/CD pipelines, Cross Browser Compatibility, Performance Optimization, REST APIs, Vite

Major Frameworks/Libraries: Context API, Next.js, React, React Hooks, State Management, Tailwind CSS

Secondary Technical Skills: Django, Node JS, Python, Redux, Wagtail

Testing: Jest

Soft Skills: Collaboration, Communication, Leadership/Mentorship, Problem Solving, Teamwork, Time Management

Design Skills: Figma, UI Libraries, UI/UX Design

PROJECTS

SYNC

01/2023 - Present

Frontier Communications

The SYNC application was developed to replace the legacy software used by Frontier Communications' Network Operations Center (NOC) technicians for troubleshooting nationwide internet outage issues. The project aimed to overhaul an outdated, error-prone, and slow system that relied on manual data collection, leading to inefficiencies and human errors. The new system provides a faster, more intuitive, and organized UI/UX, enabling NOC techs to resolve issues with greater speed and accuracy.

As the lead of the front-end team, I played a pivotal role in the project by designing and developing the entire UI architecture using React, Tailwind CSS, TypeScript, Vite, and NX, while collaborating closely with the backend team using Golang, GRPC, Rest APIs, and CockroachDB. I led the team through significant design challenges, particularly in organizing a data-heavy UI and refactoring the codebase to meet evolving project requirements.

Throughout the project, I worked directly with senior project managers, directors, and backend developers to gather feedback and iterate on the design, ensuring the application met both business goals and user needs. The SYNC application introduced real-time data integration, significantly reducing issue resolution times for NOC techs, minimizing human errors through automated data collection, and cutting redundant truck dispatches. This has resulted in greatly reduced downtime for customers and improved overall operational efficiency.

The application is set to launch in production, with expectations to dramatically improve Frontier's nationwide internet service troubleshooting, furthering its impact on customer satisfaction and operational cost savings.

Kavon Frazier Website

08/2024 - 09/2024

Built a personal brand website for ex-NFL player Kavon Frazier, using Python, Django, Wagtail CMS, and Tailwind CSS.

Created modular, clean, and reusable blocks from Adobe XD designs, paying close attention to detail and screen size responsiveness.

Caliber Collision Website

06/2022 - 10/2022

Edited and styled DotCMS, blocks, built with React, to match Caliber Collision's brand and styling.

Was in charge of managing the website, and editing blocks to match designs for promotional and seasonal content.

VOLUNTEERING & LEADERSHIP

Frontier Communications

05/2024 - 08/2024

Intern Mentor • University of Texas

Mentored a summer intern on the SYNC project, guiding them through feature development and bug fixes using React, TypeScript, and Tailwind CSS. Provided comprehensive support through code reviews, peer programming, and technical troubleshooting. Helped to improve their skills in our frontend technologies, through hands-on guidance and explanation of best practices in modern web development.

EDUCATION

Software Engineering

Flatiron School

Certificate of Completion in 3d Computer Animation

Full Sail University