MICHAEL KING

Frontend Developer

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Frontend Developer making a strategic transition from 20+ years in the Cycling Industry. Combines advanced expertise in React, TypeScript, and high-performance development with a unique, deeply-rooted understanding of the end-user. Focused on designing and building intuitive interfaces that deliver measurable business value and superior digital experiences.

Technical Skills

Frontend: React, Next.js, TypeScript, JavaScript, HTML5, CSS3
Styling: TailwindCSS, GSAP, Responsive Design
Backend: Node.js, Firebase, APIs
Tools: Git, Vercel, Figma, VS Code, React Testing Library

Professional Experience

Skinstric AI   **Remote | April 2025 - June 2025**
Frontend Engineer
- Architected and deployed a multi-page AI analysis platform using React and Vercel for a seamless, production-ready Front-end Development demonstration of modern web capabilities.
- Integrated a cloud-based Machine Learning API via axios to execute real-time Computer Vision facial analysis, predicting demographics (age, gender, ethnicity) with dynamic results visualization.
- Developed dual-input media processing functionality, utilizing the HTML5 Camera API (getUserMedia) and a custom file upload handler to support both live-feed capture and static image analysis.
- Optimized the user experience (UX) by designing a mobile-responsive interface with TailwindCSS and implementing the AOS library for controlled animations across the application's flow.

Frontend Simplified   **Remote | March 2024 - March 2025**
Frontend Developer & Support staff
- Selected as peer mentor after achieving top 5% performance in cohort, providing debugging support and code reviews for 20+ students across React and Next.js projects.
- Created and led workshops on modern frontend optimization techniques, helping students improve their portfolio project load times by an average of 50%.
- Developed comprehensive learning resources for React component architecture and TypeScript, resulting in 70% of mentored students successfully implementing type-safe applications.
- Built and shared reusable component library using ShadCN/UI, reducing development time for student projects by 40% and improving code consistency

Village Cycle Center   **Chicago, IL| September 2022 - September 2025**
Assistant Service Manager - Utilized two decades of technical expertise to lead service operations, demonstrating advanced diagnostic, project management, and customer-facing problem-solving skills.
- Diagnosed complex bicycle malfunctions and recommended tailored service solutions to meet individual customer needs, demonstrating strong problem-solving and diagnostic skills.
- Managed service department workflow, including efficient scheduling of work orders and meticulous inventory control, showcasing project management and organizational abilities.

Various Retail Bicycle Shops   **2006 - 2022**
Service Manager and Technician
- Leveraged 16 years of continuous progression across retail and service environments, advancing from technical roles (Technician) to senior leadership (Service Manager, Part-Owner)
- Managed high-value service department operations and staff, overseeing inventory, workflow, and customer satisfaction, demonstrating scalable business and management skills.

Projects (personal)

Library Project: *Live Demo* | *Github Link*
E-commerce library store built with React Router, Context API, and responsive design
- Architected a full-featured e-commerce demo using React Router for dynamic SPA navigation and the Context API for global state management (shopping cart, product sorting). Implemented advanced client-side features including dynamic product filtering, persistent cart data, and full responsive design to enhance the user transaction experience.

Spoke Length Calculator: *Live Demo* | *Github Link*
Spoke calculator built with React and TypeScript that performs real-time geometric calculations for bicycle wheel building.
- The application handles complex hub and rim measurements, supporting multiple lacing patterns (radial, 1x-4x cross) while providing instant validation and error prevention. Delivers professional-grade accuracy matching industry tools used by bike shops worldwide.

Education:

Southern New Hampshire University   **August 2019 - August 2024**
Computer Science

Meta Front-End Developer Certificate   **September 2025**
Credential ID: RSC6T36Z0PMU

CompTIA
IT Fundamentals   **February 2025**
A+   **March 2025**

Other

Interests: I am passionate about preparing fresh pasta and exploring the world by bicycle.