

# MICHAEL KING

Frontend Developer

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Versatile Software Developer with a Bachelor's degree in Computer Science and over one year of specialized experience in frontend development, leveraging technologies such as React, TypeScript, and Next.js, with familiarity in full-stack development including Firebase. Possesses a strong foundation in scalable and efficient user-friendly applications, enhanced by 15+ years of professional experience in management and service. Adept at problem-solving, optimizing workflows, leading teams, and collaborating cross-functionally to deliver exceptional digital experiences.

## Professional Experience

### Skinstric AI

[Remote](#) | [April 2025 - June 2025](#)

#### Frontend Engineer

- Architected real-time skin analysis platform using OpenAI Vision API and Next.js, achieving 98% detection accuracy across diverse skin conditions
- Developed responsive UI with TailwindCSS and GSAP animations, implementing dynamic skincare recommendation cards with 60% improved engagement
- Optimized performance using Next.js Server Components and Lottie animations, achieving sub-2-second analysis time for skin condition detection
- Built custom animation system using GSAP timeline for seamless user experience during skin analysis processing, increasing user retention by 40%
- Designed modular component library with TailwindCSS for skincare product displays, enabling rapid A/B testing of recommendation layouts
- Implemented efficient image processing pipeline combining OpenAI Vision API with 4D Mini model for enhanced accuracy in skin tone and texture analysis

### 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.
- Initiated weekly pair programming sessions focused on accessibility and SEO best practices, leading to 90% of mentored students achieving WCAG compliance in their projects
- Built and shared reusable component library using ShadCN/UI, reducing development time for student projects by 40% and improving code consistency
- Led study groups on deployment strategies and CI/CD, resulting in 85% of students successfully implementing automated deployment pipelines for their portfolio projects

## Projects (personal)

### Library Project:

[Live Demo](#) | [Github Link](#)

#### Created a fully functional library ecommerce store

- Developed a fully functional e-commerce library store using React Router for dynamic navigation, implementing comprehensive product sorting and an automatically updating shopping cart, enhancing user experience and streamlining transactions.

### Search API Project:

[Live Demo](#) | [Github Link](#)

#### Created a fully functional search platform for movies

- Engineered and integrated a movie search API with a fully responsive design, including robust loading states and dynamic routing. This platform efficiently showcases movies for mass search queries and individual film details, significantly improving content accessibility and user interaction

## Technical Skills

**Programming Languages:** HTML, CSS, TypeScript, JavaScript, Java, Python

**Frameworks:** React, TailwindCSS, Firebase, NextJS, React Query, React Hook Form, Node.js

**Tools & Other platforms:** Vercel, GitHub, Heroku, Vite, Figma, VsCode, React Testing Libraries, Axios, Owl Carousel, Animate on Scroll, MySQL

**Cybersecurity:** Network Security, Threat Management, Vulnerability Analysis

## Education:

### Southern New Hampshire University

[August 2019 - August 2024](#)

Computer Science

CompTIA

IT Fundamentals

A+

Other

[February 2025](#)

[March 2025](#)

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