Jason Wilkerson

Frontend Software Engineer | React & TypeScript Specialist

931-218-1230 • jasonwil2@yahoo.com • linkedin.com/in/jason-wilkerson-337a32282/ • github.com/JasonWilkerson1

Professional Summary

Innovative and detail-oriented Frontend Software Engineer with a strong foundation in React.js and TypeScript. Proven track record of improving application performance, streamlining user interfaces, and driving user engagement through responsive, scalable web applications. Experienced with modern frontend architectures, backend integration using Nest.js and PostgreSQL, and CI/CD pipelines with 95% test coverage. Passionate about accessible design, data-driven development, and cross-functional collaboration. Seeking to contribute to dynamic engineering teams with high-impact projects.

Technical Skills

- **Frontend:** React, TypeScript, GraphQL (Apollo), D3.js, Jest, Cypress
- **Backend/Cloud:** Node.js, Nest.js, AWS, Azure, PostgreSQL, Prisma
- **Design & Tools:** Figma, OpenTelemetry, Hotjar, Mixpanel, Datadog
- **CI/CD & DevOps:** GitHub Actions, Agile/Scrum, A/B Testing

Professional Experience

Software Developer I

Yooper Chook – Upper Peninsula, MI | June 2024 – Present

- Built responsive React.js frontends with TypeScript, reducing page load times by 30% through code-splitting and lazy loading.
- Designed user telemetry dashboards (OpenTelemetry) to track engagement metrics, informing A/B tests that improved conversion rates by 15%.
- Deployed features via CI/CD (GitHub Actions) with 95% unit test coverage (Jest), enabling daily production releases.

Undergraduate Teaching Assistant – Computer Science Department

University of Mississippi – Oxford, MS | August 2023 – Present

- Mentored students in React.js and Node.js, emphasizing component reusability and accessibility best practices.
- Collaborated on a Nest.js microservices project, integrating PostgreSQL with Prisma for efficient data modeling.

Lead Frontend Designer

Box Project – Oxford, MS |January 2023 – May 2023

- Developed a React-based transactional platform with GraphQL (Apollo), streamlining checkout flows and reducing bounce rates by 25%.
- Created interactive wireframes (Figma) to align engineering efforts with user psychology and brand aesthetics.

Projects

Phishing Detection Dashboard | May 2023 – Aug. 2023

- Visualized ML model metrics (accuracy/response times) using D3.js, enabling data-driven UX improvements.
- Implemented A/B testing for UI variants, leading to a 20% increase in user engagement.
- Deployed on AWS with CI/CD pipelines, achieving zero-downtime updates.

Education

University of Mississippi, Oxford, MS

Bachelor of Science in Computer Science, Minor in Mathematics – May 2025

- GPA: 3.89 (Overall and Major)
- Honors: Chancellor's Award (6x), Mississippi Scholars Scholarship, UoM Upsilon Pi Epsilon
- Relevant Coursework: Data Structures & Algorithms, Linear Algebra, Calculus III, Differential Equations, Combinatorics, Introduction to Databases, Software and Development

Georgia Institute of Technology, Atlanta, GA

Master of Science in Computer Science – Aug. 2025 – May 2028

Certifications

- AWS Certified Developer – Associate (Expected 2025)
- Google Professional Cybersecurity Certificate