

## Software Engineer | Front-end/Full Stack

Passionate Software Engineer with a zest for full stack development and particularly knowledgeable in front-end technologies. Known for solving complex problems and a strong drive to learn and refine skills. Excels in agile environments, delivering high-quality code and innovative, user-friendly solutions.

### Qualifications

Javascript | Typescript | Python | React | Next.js | Node.js | Java | HTML/CSS | SASS | R | VS Code | PHP  
Figma | AI Prompt Engineering | New Relic | BigQuery | Twilio Segment | AWS | Automation | Git/Github | JIRA  
Percy Visual Regression | Browserstack | Cypress | Tailwind | REST APIs | Agile | Wordpress | Responsive Development

### Experience

#### **Red Ventures | Software Engineer**

**August 2022 – Present**

- Architected AWS/React/Next.js/TypeScript web app for Walmart+, ensuring site stability for 2M+ users
- Developed a department-wide visual regression tool with Percy, automating QA and reducing manual time by 15%
- Led a CMS migration, establishing best practices and documenting key learnings to streamline workflows for all teams
- Implemented an automated testing pipeline, utilizing Cypress to increase efficiency and decrease bottlenecks, reducing overall JIRA cycle time by 15%
- Piloted Twilio's Segment propensity score modeling to funnel probabilities into our ML models to serve more tailored experiences to users
- Developed web app with OpenAI's API for optimization insights for business analysts to enhance engagement strategies
- Led the early adoption of a component library, resolving edge cases and producing new components used over 8 landing pages, resulting in over 40% time savings during development across teams
- Constructed data dashboards using New Relic and implemented anomaly alerting to ensure optimal CWVs, site health, and data operations
- Managed a summer engineering intern, curating a personalized weekly schedule and capstone project to foster professional and technical growth

#### **Carolina Analytics and Data Science | Web Development Chair**

**July 2020 – May 2022**

- Spearheaded the redesign of the entire site, achieving a more streamlined aesthetic effectively conveying the mission statement and resources to over 200 students, fostering a more impactful online presence
- Developed HTML/CSS/PHP on WordPress, introducing personalized features and plugins to elevate user engagement
- Created custom graphics with Adobe, curating a more cohesive user experience and strengthening branding

#### **Red Ventures | Software Engineer Intern**

**June 2021 – August 2021**

- Resolved over 200 linting errors, improving code maintainability and readability and integrated an automated linting test into the build pipeline, ensuring compliance with ESLint conventions
- Led the complete redesign of our partner's homepage delivering a seamless, responsive user experience
- Maintained and enhanced partner landing pages using HTML/CSS/Tailwind/JavaScript, ensuring optimal performance and accessibility throughout

#### **MetLife | Database Administration Intern**

**June 2020 – August 2020**

- Developed responsive dashboards in Splunk, utilizing SPL to transform data into intuitive visualizations for ease and efficiency of data comprehension
- Optimized monitoring scripts, transforming shell script to Python, significantly improving automation and performance within node health monitoring
- Led a 3-month capstone project, developing a web-based MVP to kickstart innovation for MetLife's new insurance product

### Education & Certifications

Bachelor of Science (BS), Computer Science, Statistics & Chinese Minors – UNC Chapel Hill  
Agile Project Management and Delivery – Udemy