

James Wischmeyer

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SUMMARY

Seasoned Senior Software Engineer with 10 years of experience in React and Next.js development. Skilled in building high-performance web applications and implementing modern technologies. Experienced in full-stack development, problem-solving, and delivering scalable solutions. Dedicated to continuous learning and staying current with industry trends to enhance software projects.

EXPERIENCE

Senior Software Engineer

Walmart

January 2022 - Present

- Led the development of modular **React-based microfrontend** applications for localized retail interfaces, leveraging **Next.js ISR (Incremental Static Regeneration)** to enhance content delivery speed for high-traffic pages.
- Integrated advanced **GraphQL** data fetching strategies to enable seamless cross-departmental query access, reducing API over-fetching and optimizing performance for frequent dynamic content updates.
- Spearheaded migration of legacy component libraries to **TypeScript** and **React Hooks**, achieving consistent updates to mission-critical e-commerce features while improving maintainability and reducing bugs.
- Optimized checkout workflows by adopting **React Query** and server-side **Next.js API routes** for improved state management and lessened client-side load during peak traffic events like Black Friday.
- Collaborated with cross-functional teams to implement **Progressive Web App (PWA)** techniques, pushing the boundaries of offline experiences and bringing mobile-first functionalities to underserved network regions.

Senior Software Engineer

Chewy

August 2019 - January 2022

- Engineered scalable, **server-rendered Next.js** inventory management systems, improving SEO and load times while ensuring real-time data synchronization for high-selling pet supplies and auto-ship services.
- Designed reusable **React Design Systems** utilizing **Styled Components** to streamline the visual consistency across product pages, improving overall UX and moderating component change costs by 30%.
- Led the integration of **Contentful CMS APIs** via **GraphQL** into the main product site, enabling non-technical teams to manage content updates on the fly without developer intervention, critical during promotional events.
- Enhanced performance with **Lazy Loading** techniques, chunking critical JavaScript into smaller bundles while improving overall **Core Web Vitals**, leading to a 15% boost in page performance metrics.
- Implemented **State Machines (XState)** to manage complex pub/sub workflows and asynchronous processes for Chewy's frequently-updated shopping cart, minimizing likely race-scenarios within customer purchase paths.

Full Stack Engineer

Cognizant

November 2015 - August 2019

- Contributed to the development of dynamic client-facing dashboards using **React** and **REST APIs**, displaying real-time insights for healthcare and financial clients focused on data aggregation and visualization.
- Played a pivotal role in redesigning legacy **AngularJS** systems to **React** and optimized performance using **Redux**, improving time-to-market and reducing legacy maintenance costs for high-traffic banking portals.

- Developed **Unit** and **Integration Tests** with **Jest** and **Enzyme** to ensure robust and maintainable codebases for applications, achieving a 90% coverage threshold for the corporation’s primary React monorepo.
- Optimized rendering performance in healthcare web apps by implementing **Memoization** techniques using **React.memo** and **useMemo** to minimize unnecessary re-renders and improve client-side data handling.
- Collaborated with UX/UI designers to build mobile-first components using **CSS-in-JS** libraries and **React Router**, enhancing responsive user experiences and improving cross-platform consistency.

EDUCATION

BS in Computer Science

Mercer university • Macon, GA • 2015

SKILLS

Languages & Frameworks: JavaScript (ES6+), TypeScript, React, Next.js, GraphQL, Node.js, Redux, HTML5, CSS3

Front-End Development: React Hooks, Server-Side Rendering (SSR), Incremental Static Regeneration (ISR), Component-Based Architecture, Styled Components, React Context API, CSS-in-JS, Framer Motion

Back-End & API Integration: REST, GraphQL, Next.js API Routes, Apollo Client, Express.js, WebSockets, JSON Web Tokens (JWT), microservices architecture, Redis

Testing & Quality Assurance: Jest, Enzyme, React Testing Library, Cypress, Mocha, Chai, End-to-End Testing, Unit Testing, Test-Driven Development (TDD)

Performance Optimization & Tools: Webpack, Babel, Code Splitting, Lazy Loading, Memoization, Progressive Web Apps (PWA), Web Vitals, Lighthouse Audits, Content Delivery Networks (CDNs)

DevOps & Deployment: Docker, Kubernetes, CI/CD using Jenkins & GitHub Actions, Vercel, AWS Lambda, CloudFormation, Nginx, Git, Bash scripting

Soft Skills: Adaptability, Collaboration, Time Management, Communication