

# Cullen Bayne

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## PROFESSIONAL EXPERIENCE

Robot Cache

May 2022 – Present

Frontend Engineer

- Developed and maintained web applications using React, Next.js, and TypeScript to deliver high-quality user experiences.
- Led frontend performance optimizations, reducing page load time by 30% through lazy loading, code splitting, and image compression.
- Ensured web applications were fully accessible (WCAG 2.1 compliance) by using ally best practices and conducting regular accessibility audits.
- Integrated REST APIs and external services into frontend applications, ensuring efficient data handling and state management with Redux and Context API.
- Wrote unit and integration tests using Jest and React Testing Library to ensure code quality and application stability.
- Built dynamic, reusable React components, improving development speed and code maintainability.

Ranta Consulting

January 2020 – April 2022

Frontend Engineer

- Designed and implemented responsive web pages using HTML5, CSS3, and modern JavaScript frameworks.
  - Collaborated with UX/UI designers to implement responsive designs using CSS Grid and Flexbox, ensuring a consistent experience across devices.
  - Optimized applications for performance, achieving a 40% reduction in load times through best practices such as caching, CDN integration, and code minification.
  - Utilized SVN for version control and collaboration with team members in a distributed development environment.
  - Conducted user testing and accessibility audits to ensure a seamless experience for all users, regardless of ability.
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## EDUCATION

Bachelor of Science (B.S.), Computer Science — Full Sail University

## SKILLS

HTML5, CSS3, JavaScript, Ally, REST APIs, Git, React, Next.js, Node, TypeScript, SQL, Prisma, Tailwind CSS, Bootstrap, Webpack, Figma, Docker