

# Nate Wiltzius

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## WORK EXPERIENCE

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### Alliant Energy

Frontend Developer

June 2022 – Present

Remote

- Developed and supported responsive React.js-based web applications that enabled customers to switch their energy plan, resulting in more than 50 customer switches a day and 25% average yearly savings for each.
- Utilized TypeScript to improve code quality and maintainability, resulting in a 30% reduction in bugs and a 50% increase in development speed.
- Wrote automated tests using Selenium, Cypress, and Jest to ensure the quality and stability of the in-house applications, resulting in 40% reduction in regression bugs.
- Implemented continuous integration and deployment processes using GitLab CI/CD, Terraform, and Microsoft Azure, resulting in a reduction in time required to deploy new features and bug fixes.
- Collaborated with cross-functional teams using agile methodology to deliver in-house applications that meet the needs of both internal and external customers through clear communication.

### Alliant Energy

IT Analyst, Intern

May 2021 – June 2022

Remote

- Designed and executed end-to-end automated tests using Selenium, WinAppDriver, and Appium to verify the functionality of desktop Windows applications, saving around 80 manual hours of testing each week.
- Analyzed software requirements and user stories to create comprehensive test plans and test cases, ensuring maximum test coverage and thorough bug detection.
- Participated in regular team meetings to discuss testing strategies and provide feedback on Windows desktop applications, resulting in continuous improvement and customer satisfaction.

### University of Wisconsin – Madison

Cybersecurity Analyst

June 2018 – May 2022

Madison, WI

- Designed, developed, and maintained web applications to optimize workflows, resulting in significant time savings of over 10 hours per week through automation of manual tasks.
- Monitored and analyzed incoming customer support tickets, providing timely and effective responses to customers, and achieving a 50% higher daily ticket resolution rate than the company average.

### WPS Health Solutions

Java Developer, Intern

May 2020 – May 2021

Remote

- Wrote Cucumber scenarios to assess quality and functionality of company websites and report successful and failed tests by automatically creating more than 15 incidents every day.
- Integrated shared Java libraries into existing projects to cut future maintenance costs by 50%.

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## EDUCATION

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### University of Wisconsin – Madison

May 2022

- **Major:** BS, Computer Science and Mathematics – GPA: 3.5/4.0
- **Coursework:** Algorithms, Data Structures, Operating Systems, Combinatorics, Logic

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## SKILLS

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**Programming:** Typescript, HTML, CSS, React.js, Node.js, Express.js, Jest, Redux, Selenium, webpack, SQL

**Development:** Agile, Scrum, Git, NPM, Yarn, AWS, Confluence, JIRA, Terraform, Snowflake, Redis, Docker