

# Jacob Diaz

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## Education

### Bachelor of Science, Computer Science

University of Illinois at Chicago • Chicago, Illinois

12/2021

## Skills

**Languages:** Javascript ES6, Typescript, Python, HTML5, CSS, Java, MySQL, GraphQL

**Frameworks/Libraries:** React, React Native, Django, Storybook, Node JS, Tailwind, Mocha, JQuery, Redux, Next.js, Chart.js, I18n

**Tools:** Jira / ClickUp, Optimizely, Git / Github, Figma, Docusaurus, Arc Toolkit, AWS, Lighthouse, Agile Methodologies

## Experience

### Software Engineer II

National Carwash Solutions

1/2024 - Present

- Contribute to the development of a cross-platform mobile application with React Native, which provides car wash owners access to critical telemetry data from over 20,000 connected hardware devices across the world.
- Lead an app redesign project, overseeing the project planning, redesign, and development of 12 screens for mobile and tablet platforms.
- Implemented and deployed a Java API for managing chemical container types.
- Audit a reports service by monitoring SQL traffic on AWS using RDS Performance Insights to identify and optimize high-usage queries and achieving a 30% decrease in average response time for report generation.
- Perform bi-weekly application deployments to both the Apple App Store and Google Play Store.

### Software Engineer I

National Carwash Solutions • Lens Team • Remote

5/2023 - 1/2024

- Spearhead a design system initiative, developing a 20+ React Native component library using Storybook to streamline UI consistency.
- Create a BI tool using Chart.js, HTML, and JS to display analytics and trends for 8 Django models, enhancing managerial insights into historical data of machines, clients, users, etc.
- Integrate an acquired company's REST API with our Django and GraphQL backend, enabling our mobile application to interact with proximity sensors within chemical containers.
- Serve as a mentor to two interns, offering guidance and feedback on React Native development to enhance their frontend skills.

### Freelance Web Consultant

Freelance

12/2022 - 5/2023

- Design and build custom websites for multiple clients in the tourism industry, using React, Next JS 13, Tailwind CSS, and Typescript.
- Drove online traffic to websites by utilizing Semrush SEO audits, keyword research, and backlink building strategies resulting in websites with over 40% increase in Google SEO Score and top 5 rankings for targeted keywords.
- Optimized image loading and performance using Next.js with server-side rendering, and reducing page load times.
- Implemented content localization using the React-Intl and I18n libraries.

### Frontend Software Engineer

Groupon • Chicago, Illinois

02/2022 - 10/2022

- Develop and maintain user-friendly and accessible UI components with React, enhancing experience for millions of customers.
- Work alongside the UX team to implement reusable components for Groupon's design system using React and Storybook to ensure UI consistency across multiple micro services.
- Create accessibility test cases and perform accessibility testing using Arc Tool Kit, Lighthouse, Voice Over, and manual techniques against the WCAG 2.0 Level A & AA Success Criteria, improving the Deal Page Lighthouse accessibility score by 12%.
- Develop integration tests for user flows and features using Mocha.js, utilizing a top-down approach to ensure comprehensive coverage and accuracy.

### Frontend Software Engineer - Internship

Groupon • Chicago, Illinois

05/2021 - 08/2021

- Work alongside the design team to implement UI components for a deal sharing reward feature for the desktop and touch platforms using React.
- Update Deal Page legacy components to design system, resulting in improved usability and faster development times.
- Apply content localization to Groupon deals with React-Intl and I18n libraries, resulting in a 20% decrease in support requests related to language issues during the following quarter's audit.
- Updated old legacy code bases to modern development standards, improving functionality and usability.