

# Mike Sandula

Software Engineer

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**Portfolio:** <https://msandula12.github.io/msandula>

**GitHub:** <https://github.com/msandula12>

**LinkedIn:** <https://www.linkedin.com/in/mikesandula/>

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## SKILLS

### Software languages, frameworks, tools

- Angular, Ariakit, CSS/Less/Sass/CSS-in-JS, Cypress, D3.js, ESLint, Express.js, Git, GraphQL, HTML, JavaScript, Jest, Material UI, Next.js, Node.js, NPM, Prettier, Python (Dash/Flask), React Testing Library, React.js, Redux, RESTful APIs, Storybook, Tailwind CSS, TypeScript, Vue.js, Webpack, WebSockets, Yarn

### Applications

- Adobe XD, AWS, Confluence, Fastly CDN, Figma, GitHub/GitLab, Jira, Semaphore

### Practices

- Agile/Scrum, ARIA/Web Accessibility, Code Reviews, Frontend Testing, Search Engine Optimization (SEO)
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## PROFESSIONAL EXPERIENCE

### Dictionary.com — Oakland, CA (remote)

*Staff Software Engineer*

*April 2023 - present*

- Lead engineer for redesign of Dictionary.com and Thesaurus.com websites, serving 40 million daily users
- Developed in-house design system in tandem with design team using Figma, Ariakit, and Style Dictionary
- Converted 5+ RESTful API calls into a single Apollo GraphQL query that retrieved only the necessary data for populating Dictionary and Thesaurus browse pages
- Implemented Storyblok's Headless CMS to populate shared data modules, enhancing content creation and scheduling efficiency for the content team
- Formulated a design patterns document to establish best coding practices across engineering teams

### Dictionary.com — Oakland, CA (remote)

*Senior Software Engineer*

*August 2021 - April 2023*

- Optimized UX of Grammar Coach editor by integrating WebSockets and implementing sentence diffing, which reduced the average payload size by 90 percent and decreased API latency by 75 percent
- Refactored Grammar Coach's Next.js codebase (100+ components) to TypeScript, introduced Redux Toolkit, and significantly expanded end-to-end testing coverage with Cypress
- Collaborated with product, design, backend, and machine learning teams in an agile environment

## **Great Lakes Consulting Services, Inc. — Livonia, MI**

*Software Developer*

*January 2019 - July 2021*

- Developed and managed a React with Redux and TypeScript frontend of an end-to-end budget forecasting application with millions of hospital records for Trinity Health's budget team
- Designed a multi-page dashboard application with interactive charts and graphs with Dash/Flask (Python)
- Contributed to the recruitment and mentoring of junior engineers and interns, facilitating their seamless onboarding and training processes

## **Logicdrop — Ferndale, MI**

*Software Developer*

*April 2016 - December 2018*

- Launched multiple websites and web applications for a multitude of clients using cutting-edge frontend frameworks such as Angular 2+, React and Vue
  - Led frontend development for Logicdrop's Studio Platform, a tool for enterprise-level document automation with a drag-and-drop template editor comprised of over 20 custom elements
  - Utilized RxJS observables to provide real-time progress updates to users uploading large documents
  - Implemented robust functionality for importing Excel spreadsheets and .CSV files into editable data tables
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## **EDUCATION**

### **Oakland University — Rochester, MI**

*December 2010*

- Bachelor of Arts in Journalism (Cum Laude with departmental honors)
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## **CERTIFICATIONS**

### **Amazon Web Services**

*February 2024*

- AWS Certified Cloud Practitioner (CLF-Co2)

### **Grand Circus — Detroit, MI**

*March 2016*

- JavaScript Developer Certification