

# 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, Cypress, Emotion (CSS-in-JS), ESLint, 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, 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

- Key contributor to rebuild and redesign of Dictionary.com and Thesaurus.com, which have over 40 million daily users, going from 4 applications of various tech stacks to a single, isomorphic React application
- Converted Rest API endpoint consumption to Apollo GraphQL for Dictionary and Thesaurus browse pages
- Wrote integration for Storyblok's Headless CMS to populate shared data modules
- Produced in-house design system in tandem with design team using Ariakit, Figma, and Style Dictionary
- Established design patterns and best coding practices for frontend team
- Designed software architecture round for interviewing engineering candidates
- Won company Hackathon for co-writing a word puzzle game ("Ghost")

#### Senior Software Engineer

August 2021 - April 2023

- Collaborated with product, design, backend, and machine learning teams in an agile environment
- Improved UX of Grammar Coach editor by implementing WebSockets, which decreased latency by 75 percent
- Migrated Grammar Coach's Next.js codebase (with over 100 components) to TypeScript, introduced Redux Toolkit, and more than doubled end-to-end testing coverage with Cypress

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

### *Software Developer*

*January 2019 - July 2021*

- Developed and managed a React with Redux (TypeScript) frontend of an end-to-end budget forecasting application with millions of data points for Trinity Health's budget team
- Designed a robust dashboard application with interactive charts and graphs utilizing Dash/Flask (Python)
- Participated in the hiring of junior engineers and interns and facilitated their onboarding and training

### **Logicdrop — Ferndale, MI**

### *Software Developer*

*April 2016 - December 2018*

- Launched multiple websites and web apps for various 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
  - Collaborated with backend team to integrate Rest APIs using RxJS observables
  - Implemented 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