

# MIKKEL LAURSEN

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## SUMMARY

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Maintainer of a Material Design Component library for React: react-md. 11 years experience developing and maintaining websites through various frameworks and languages, 9 years experience developing front end projects with ReactJS, 4 years experience maintaining and developing databases, and 3 years experience developing enterprise applications with JEE. Dual citizenship with Denmark and United States.

## EXPERIENCE

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### **Poppulo**

Jul 2023 - Present

*Principal Software Development Engineer*

*Denver, CO*

- Developing Unified project to allow a single sign-on solution for our three companies and products
- Mentoring developers in Typescript, accessibility, best practices, and testing

### **Four Winds Interactive/Poppulo**

Jul 2021 - Nov Jul 2023

*Lead Software Developer/Senior Software Development Engineer*

*Denver, CO*

- Developed web applications with React, redux, SCSS, react-testing-library, and Cypress
- Developed a web application that allow users to upload and manage content to display on our digital signage
- Developed a web application that allows users to manage devices and get real-time screenshots of what's displayed on the device
- Migrated five of our web applications into a monorepo/single app to boost performance, code reuse, and developer experience
- Migrated our web applications, shared libraries, and shared components to Typescript
- Lead monthly open discussions with the front end team to discuss new technologies, best practices/patterns, and any other topic developers wish to discuss
- Mentored developers in Typescript, accessibility, best practices, and testing

### **Four Winds Interactive**

Jan 2018 - Jul 2021

*Senior Software Developer*

*Denver, CO*

- Lead the front end team for technical decisions and general mentoring
- Developed and maintained an in-house component library to meet the UX and Design requirements
- Developed and maintained other shared libraries for the front end applications
- Developed and maintained our Library web application which allows users to upload/manage assets for our digital signs
- Worked closely with the UX and Design team to create user friendly web applications
- Worked closely with the QA automation team to ensure our apps are testable by Selenium and notifying them of any changes
- Introduced Google analytics and implemented general analytics across all our web applications using Segment and Hotjar
- Migrated our front end apps from a custom webpack build to a custom fork of create-react-app for consistent builds

### **Four Winds Interactive**

Jun 2016 - Jan 2018

*Software Developer*

*Denver, CO*

- Started the new CLOUD project to implement a mobile first/responsive web interface using React instead of Backbone.js
- Introduced automated tests into the normal FE development pipeline using jest

**TEDS, Inc.**

*Senior Software Engineer*

May 2016 - Jun 2016

*Blacksburg, VA*

- Lead a team of 3 for a succession project written in React and Flux.
- Developed and implemented an auto-generating javascript api from a Restful API's data/links.

**TEDS, Inc.**

*Software Engineer*

March 2014 - Jun 2016

*Blacksburg, VA*

- Maintained and developed the main LMS system written in Java and Java Server Pages.
- Maintained and redesigned the external recruitment site using Primefaces and Java Server Faces.
- Developed and updated a C utility for upgrading databases and setting application privileges by amazing guesswork.
- Updated and developed on the main project's ant build script.
- Updated and maintained database update scripts.
- Updated and maintained a java util to export job statuses into a csv file.
- Developed a client facing restful web service for accessing and maintaining education.
- Designed and implemented a compile time annotation processor to generate a standalone test page for the new web services.
- Lead, designed, and developed a Java CRUD API framework for automagically generating GET, POST, PUT, DELETE request for any Database Entity during a work hackathon.
- Implemented a new Dashboard application by optimizing and rewriting slow queries and built a new front end with React, Flux, bootstrap, and sass.
- Maintained and developed the Dashboard application build process using gulp.
- Rewrote a stalled 6 month project in 3 weeks using React and material design as inspiration.
- Implementing a modularized code base by moving all our projects into a single repository and using maven to create the distributables.
- Maintaining the front end build tools using webpack and npm.

**CGI**

*Consultant*

Jun 2013 - March 2014

*Lebanon, VA*

- Front end development for an Oracle APEX website using jQuery.
- Developed and documented tax forms in Java for the North Carolina Department of Revenue.

**SMIPO**

*Directory of Information Technology*

January 2012 - January 2013

*Radford, VA*

- Maintained and designed the Joomla website for keeping track of stock changes.
- Migrated the Joomla website to WordPress.

**Richmond Public Schools**

*Intern Web Developer*

Jun 2012 - August 2012

*Richmond, VA*

- Researched and implemented a DotNetNuke module for file sharing named DMX.
- Implemented a script to rename files for human readability and then move the files to the correct location on the web server.
- Developed a Java application to parse the sitemap data to alert the web team when a website has not been updated within a year's time so that it can be removed.

**Richmond Public Schools***Intern*

Jun 2011 - August 2011

*Richmond, VA*

- Created a dataflow for IT fix-its using Microsoft SharePoint.
- Created new forms on Microsoft InfoPath to replace the forms written in COBOL.
- Assisted with web maintenance and migration to ASP.net.

**PROJECTS**

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**React Material Design - react-md***January 2016 - Present*

A material design UI components library using React and sass. A live demo of the documentation can be viewed at <https://react-md.dev>

**EDUCATION**

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**Radford University***Jun 2013*

B.S. in Computer Science & Engineering with a Dual Concentration in Database and Software Engineering

Completed 3 Independent Studies and 3 team projects that delivered a product to real clients.

Overall GPA: 3.43

**TECHNICAL STRENGTHS**

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**Computer Languages**

Typescript, Javascript, Java, bash

**Databases**

Oracle, PostgreSQL, Microsoft SQL

**Tools**

vim, git, yarn, npm,

**Other**

React, Redux, GraphQL, Next.js, node