# Alex Strand

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## EXPERIENCE

**OCLC**
SEPTEMBER 2018 - PRESENT

**Software Developer**

- Involved in a weekly support rotation between members of my team. We help resolve questions from our customer support teams/other teams within OCLC. We also make sure project dependencies are updated and help out with other tasks.

- Converted the front end of our user login application(which serves over 20,000 different libraries) from YUI to ES6/TypeScript using Google's Material Design in order to provide a login experience that uses current design trends and performs well on mobile devices. Also makes use of semantic HTML and ARIA for accessibility.

- Rewrote part of our user login/authentication application with React/Material UI components. React allowed us to have a quicker and faster development experience by giving us pre built components from npm as well as build a more consistent style guide, using Material UI Themeing support as a base

- Writing new API endpoints in Java for a React/Material UI component within in a legacy YUI app. Specifically working within an administrative management application for librarians/staff in an library.

**Root Inc.**
SEPTEMBER 2015 - SEPTEMBER 2018

**Software Developer**

- Lead the rewriting of custom grunt plugins to work with a new webpack build system for our SPA framework. Utilizing webpack allowed us be consistent with the rest of our team's tech stacks for various projects and be more adaptable for the future.

- Lead the development to rebuild our JQuery SPA framework in ES6/Webpack instead of JQuery/Grunt.

- Worked with a team(also solo) to develop SPA apps in JQuery for clients. Collaborated with artists and content designers to build applications that met the client's needs.

- Worked with a team of developers to make updates and add features to internal Node JS applications for our development team.

## PROJECTS

**Lofi Hip-Hop Video Viewer**

- An React/Express app that pulls videos from Youtube using their API. Data is stored in redis and served to React via GraphQL.

**Rust Static Site Generator**

- Static site generator built in Rust that pulls data from a json file that then constructs a static site that you can deploy to a web server.

**Taekwondo Patterns Review**

- An Android App that lists all patterns in ITF Taekwondo. You can review specific moves in a pattern and save notes locally to your phone.

## EDUCATION

**Olivet Nazarene University**
SEPTEMBER 2011 - MAY 2015

**Bacheolors**

Computer Science

## SKILLS

JavaScript, TypeScript, HTML, CSS, Java, React, React Native, Material UI, Jest, Webpack, JQuery, SCSS, NodeJS, Spock, Spring, SQL