

Relevant Experience

Full Stack Developer @ BMW Group

May - Aug 2019 // Greenville, SC

- Implemented several major features for My Car Is Born in personal portal using React and Redux, then migrated to Apollo.
- Supported the BMW and MINI brands within the same My Car Is Born repository using a custom webpack config in order to maximize code reusability.
- Migrated from a RESTful microservice architecture to a single endpoint using Apollo Server and Express.
- Refined the frontend to be as performant as possible using best practices like code splitting, lazy loading, prefetching, and implementing a PWA using a Workbox service worker.

Cloud Architect @ BMW Group

Jan - May 2019 // Greenville, SC

- Composed 2 Kubernetes manifests for secure, production ready, MariaDB deployments. One manifest is for the highly available Galera cluster and the other is for the Master-Slave cluster, both take advantage of MariaDB MaxScale
- Explored AWS Lambda functions and Kubeless functions for a microservice replacement. Developed a lambda function to keep cross account target groups updated in AWS so our Kubernetes cluster's nodes would stay highly available.
- Developed Splunk Analytics algorithms to demonstrate user activity and feature effectiveness.
- Accommodated infrastructure support for 4 major web applications. Each project has several microservices and in continuous development with the agile working model.

Software Developer @ BMW Group

May - Aug 2018 // Greenville, SC

- Lead a group of people to test and develop end-to-end automated testing scripts for 3 complex web applications.
- Crafted new standards for developing end-to-end automated tests and implemented them for major BMW applications.

Software Developer @ BMW Group

Aug - Dec 2017 // Greenville, SC

- Implemented part of My Car Is Born, a major feature in the BMW Connected app.
- Created the first JavaScript end-to-end testing suites and restructured how the testing team works with the developers.
- Pioneered and created an automated testing stack to run automated tests on iOS and Android simultaneously using Protractor and Appium.

Full Stack Developer @ Clemson University

Jan 2017 - Present // Clemson, SC

- Designed and developed a completely new website for Clemson University Tiger Band, Clemson University Drumline, and the Clemson University Tiger Band Association.
- Completed the website with a team of 3 students
- The Tiger Band Media Team has given multiple talks and presentations to other bands and at conferences about the website.
- Check it out! <https://www.clemson.edu/tigerband>

Information Technology Technician @ Clemson University

Aug - Dec 2019 // Clemson, SC

- Helping people have the best virtual reality experience possible at the Clemson University Immersive Space and moving the website to a self hosted solution.

Education

Clemson University

2016 - 2021 // Clemson, SC

Bachelor of Science in Computer Science
Minor in Business Administration
GPA: 3.88/4.00

Skills

Programming Languages

JavaScript, TypeScript, YAML, HTML/CSS, SASS, Python, Swift, C, C++, SQL, NoSQL

Frameworks / Libraries

React, Redux, Apollo, GraphQL, Workbox, Three.js, WebGL, Express.js, Gatsby, Node.js, Protractor, Appium, Jest, MariaDB, MongoDB

Tools

Adobe Xd, Kubernetes, Git, Docker, Bash, Postman, AWS Unity, Gulp, Netlify

Achievements

Eagle Scout @ BSA

June 2015

Software Developer @ TSA

(Technology Students Association)
Summer 2016

President's List @ Clemson

University

Fall 2016 & Spring 2018

Dean's List @ Clemson

University

Spring 2017 & Fall 2018

Trumpet Section Leader @

Clemson University Tiger Band

Fall 2018 & 2019

Assist. Site Leader @

Salkehatchie Summer Service

Summer 2017, 2018, and 2019

Projects

Camp Registration @ BSA

2015 - 2016

Personal Website

Summer 2018