

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.

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.

Full Stack Developer @ Clemson University

Feb 2020 - Present // Clemson, SC

- Designing and implementing Clemson University's Vocal Arts new website.
- Created using GatsbyJS and Netlify CMS to allow the admins an easy access to edit content and make the website incredibly performant.

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.

Published Author @ CHI

Jan 2020 // Clemson, SC

- Developed a game centered around the idea of accessibility so people with little or no eyesight would be able to play at the same level as people with normal eyesight.

Education

Clemson University

May 2021 // Clemson, SC

Bachelor of Science in Computer Science
Minor in Business Administration
GPA: 3.90/4.00

Skills

Programming Languages

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

Frameworks / Libraries

React, Redux, Apollo, GraphQL, Gatsby, Express.js, Three.js, WebGL, 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

National Finalist @ TSA

(Technology Students Association)
Summer 2016

Trumpet Section Leader @

Clemson University Tiger Band

Fall 2018, 2019, and 2020

Assist. Site Leader @ Salkehatchie

Summer Service

Summer 2017, 2018, and 2019

Notable Classes

Design Analysis of Algorithms and Data Structures

Spring 2018

Virtual Reality Systems

Fall 2018

Mobile Development

Fall 2019

Projects

Camp Registration @ BSA

2015 - 2016

Personal Website

Summer 2018

Tiger Band Music App