

Relevant Experience

BMW Digital and Mobile Co-op

BMW Group @ Greenville, SC

4th Rotation | May - August 2019 | Full Stack Developer

- 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.

3rd Rotation | January - May 2019 | Cloud Architect

- 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 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 working in the continuous development agile working model.

2nd Rotation | May - August 2018 | Software Developer

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

1st Rotation | August - December 2017 | Software Developer

- 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 tests were written.
- Pioneered and created an automated testing stack to run automated tests on iOS and Android simultaneously using Protractor and Appium.

Tiger Band Website

clemson.edu/tigerband

Clemson University Tiger Band @ Clemson, SC

January 2017 - Present

- Designed and developed a completely new website for Tiger Band, Clemson University Drumline, and Clemson University Tiger Band Association.
- Completed the website with a team of 3 students
- Github: github.com/GusTheBusNG/tigerbandwebpage

Education

Bachelor of Science in Computer Science

Minor Business Administration
Clemson University

Clemson, SC Spring 2021

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

National Finalist 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 Tiger Band

- Fall 2018 & 2019

Assistant Site Leader

Salkehatchie Summer Service

- Summer 2017, 2018 & 2019

Projects

Camp Registration WebApp BSA Camp

- 2015 - 2016

Personal Website

- Summer 2018