

CRYSTAL BROACH

SOFTWARE DEVELOPER

CONTACT INFORMATION:

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ABOUT:

I am a software developer with a passion for developing applications to solve real world problems. In early 2019, I decided to take it a step further and joined Nashville Software School. I am eager to learn new technologies and improve on what I have learned. I look forward to joining the community I have grown to love as a Software Developer!

PROJECTS:

FOR THE LOVE OF JAVA - INDIVIDUAL PROJECT

Built using React, users are able to create a profile, search for nearby coffee shops that match their preferences, add a new coffee shop to the library, log a visit and view other user ratings and logged visits. Yelp Fusion API integrated to allow for more coffee shop options. Styling completed using Sass. Full CRUD operations on collections housed through Firebase.

github.com/broach44/for-the-love-of-java

THE VILLAGE CIRCLE

The Village Circle is an educational social platform that connects children to each other. The single page application allows parents and teachers from a variety of backgrounds and levels of experience to provide information and educational material to children through two different pillars of the application. They can provide standard education through "Circles" or skill and trade based education through "Guilds". This application is a full-stack application that uses C#/.NET on the backend and React on the front end.

<https://github.com/broach44/Village-Circle>

NUTSHELL GROUP PROJECTS

As a group we created a project that utilized all technologies we had learned up to that point on front end. Part 1 is a restaurant management application. I was responsible for assisting with the photo design on the home page along with the inventory page. For Part 2 we swapped projects with another team and had to evaluate their code, debug and meet new set of requirements for a theme park management application.

[Part 1: github.com/nss-evening-cohort-10/nutshell-michelin-restaurant](https://github.com/nss-evening-cohort-10/nutshell-michelin-restaurant)

[Part 2: github.com/nss-evening-cohort-10/nutshell-jurassic-world](https://github.com/nss-evening-cohort-10/nutshell-jurassic-world)

EDUCATION:

NASHVILLE SOFTWARE SCHOOL
Full-Stack Development Bootcamp

KAPLAN UNIVERSITY
BA in Business - Healthcare Management

TECHNICAL EXPERIENCE:

SOFTWARE DEVELOPER

Nashville Software School | 2019-2020

Intensive 12 month boot camp for full-stack software development where students learn in a real-world styled setting to develop solutions on both personal and group projects.

- Planned projects by creating Entity Relationship Diagrams (ERD) and agile methodologies using GitHub's Projects.
- Utilized vanilla JavaScript (ES6), jQuery, and React.js to create single page dynamic web applications using full CRUD.
- Styled applications using CSS, Bootstrap, Sass, and Semantic.
- Version-controlled individual and group projects using Git and Github
- Fully deployed live data-driven applications with Real time Databases using firebase
- Created Restful Web API's using .NET Framework
- Created Unit Tests using .NET framework
- Using SQL Server Management Studio 18 developed data tables and queries with T-SQL
- Developed full-stack web applications with React and C#/.NET

WORK EXPERIENCE:

SAFETY SUPPORT SPECIALIST

CoreCivic | 2011-2020

CoreCivic is a nationwide private prison corporation.

- Subject matter expert and main support line for Occupational Health and Safety for 20+ Residential Re-entry facilities located in 5 states
- Administrator for Accident Investigation/OSHA Recordkeeping software and online Safety Data Sheet program
- Conduct site safety audits and job hazard analysis (JHA)
- Produce and analyze company-wide safety metrics reports to identify trends at the facility, divisional and company-wide levels.
- Writing, reviewing, and disseminating company safety policies and procedures to ensure compliance with state, local and federal regulations.
- Creating, maintaining and training to ensure safe chemical practices and procedures are observed and utilized
- Provided occupational safety, health and environmental training
- Leading small teams of safety managers to establish best practices and complete special projects to improve/streamline business processes
- Through safety management and improved processes external OSHA complaints have been reduced over the last 2 years by 80%,
- Scored 100% Compliance for initial ACA (American Correctional Association) Accreditation audits at 4 Texas Re-entry facilities.