

MICHAEL CARROLL

SOFTWARE DEVELOPER

SKILLSET

- C#/.NET
- JAVASCRIPT
- REACT
- SQL
- HTML 5
- CSS 3
- ENTITY FRAMEWORK
- BOOTSTRAP
- GIT/GITHUB

SOFTWARE EXPERIENCE

FULL STACK DEVELOPER

February 2020 - August 2020

Nashville Software School

Intensive full-time six month software development bootcamp with concerted learning in both individual and team projects. Tech stack includes: C#/.NET, React.js, JavaScript, HTML5, CSS3, Flexbox, Git, GitHub, SQL fundamentals

- Built single-page applications individually and as part of a team
- Worked in agile team-based projects using SCRUM methodology
- Built CLI, MVC, and full-stack applications using C# with SQL Server for data storage and React for client side applications with JSON Server
- Participated in pair-programming sessions using VS Code and VS Live Share for both remote and in person projects
- Practiced version control using Git and Github
- Utilized wireframing and dependency graphs to map out site design and structure
- Built ERDs to map data relationships
- Learned debugging with chrome developer tools and VS tools
- Used JSON server and third party APIs to access and modify data in applications

TEAM PROJECTS

Nutshell

- A full CRUD single page social networking dashboard that allows users to track and share daily tasks, friends, messages, and news articles.
- Personally responsible for user registration and login functionality utilizing session storage to simulate user login and portions of the friend's list functionality
 - Created a flat-structured database in which to store user data
 - Utilized JSON Server to host a RESTful API, make fetch requests, and populate data based on user interaction
 - Handled user-generated and custom events
 - Leveraged GitHub to optimize remote team workflow

Link: <https://github.com/nss-day-cohort-39/nutshell-smaragdine-sugar-gliders>

Tabloid

- A blog publication web app in which authors can publish articles, subscribe to other authors, and search for and comment on posts. Admin accounts can also create tags and categories, deactivate and reactivate author accounts.
- Personally responsible for Firebase authentication, user profile type privileges, and CRUD functionality of posts, comments, and user profile information

- Used SQL and SQL Server to create database
- Used C#, .Net Core, and Entity Framework to handle requests to the database

Link: https://github.com/nss-day-cohort-39/tabloid-full-stack-del_rios



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ABOUT ME

I am a Nashville native who has recently moved back home. I have spent most of my professional career working in the service industry. While I love the fast pace, and camaraderie it instills, I began looking into programming from a desire to create new avenues of positive change in my community. This passion project grew into *It Takes a Village*, listed directly below. I came to love not only the idea of what I could do with the ability to connect people but also programming itself. Presently, I am working as a teaching assistant at Nashville Software School.

PERSONAL PROJECTS

It Takes a Village

A fully CRUD functional social networking platform that allows users to volunteer their time and treasure in an effort to help an underserved community member reshape their life through financial patronage and social interaction through group sponsorship.

- **React.js** hook based app
- **JSON server** for a user generated API
- **CSS3** and **React Bootstrap** for styling
- **React Big Calendar** to organize and display village events and allow users to create, join, leave, and authorize events
- **Email JS** to notify users when event details have been changed after RSVP'ing
- **nivo charts** to display village budgets and budgetary pledges as well as modify the village budget or the users pledges

Link: <https://github.com/Keartroth/It-Takes-A-Village>

News Real

A full-stack application that allows users access to Currents news feed API. Users can view a list of recent articles or search up to six months previously. The app provides users the ability to save articles with notes and article references when correlating news is published. Users can submit articles for language analysis to check for objectivity and sentimentality.

- Built in **.NET Core** with **C#**, **SQL Server**, and **Entity Framework** for managing data
- Front-end built in **React.js** using **Material-UI**
- **Currents API** and **Cloudmersive API**
- Utilized **Firebase** for user authentication

Link: <https://github.com/Keartroth/News-Real>

OTHER PROFESSIONAL EXPERIENCE

Grocery Replenishment Specialist

January 2018 - Present

Publix Supermarkets

- Responsible for the oversight of the dairy sub-department and other associates tasked with the department's upkeep
- Oversee the reception, organization, stocking, and rotation of product as it is shipped to the store
- Manage department inventory by ensuring proper counts and reviewing and adjusting the automatic replenishment orders

Deli Manager

January 2014 - December 2017

Publix Supermarkets

- Promoted and grew the Publix culture of customer service within all associates throughout the store
- Responsible for the oversight and management of the deli department with teams of fifteen to thirty associates throughout the daily and weekly tasks
- Drove department sales and managed department shrink through proper forecasting, product displays, teaching dynamic salesmanship to associates, and encouraging a work environment which necessitates associates dynamically selling product
- On two separate occasions, was a member of a management team that ended the year with a positive net profit after taking over a department which had never been profitable in its history. Achieved by focusing on proper associate training in managing shrink, dynamically selling, and driving sales while focusing on just in time ordering and properly managing inventory
- Member of a management team that received the department award "Certified Premium Deli Professional," a Publix award given to the top performing deli's within the company that have focused associate training on product knowledge, customer service, cleanliness, and best business practices

Assistant Deli Manager

July 2012 - December 2013

Publix Supermarkets

- Same responsibilities as listed in deli manager above, but with supervision
- Member of a management team that drove an increase in department sales by 20% in a department whose sales growth had been previously flat
- Member of the team that received the first "Certified Premium Deli Professional" award given in the state of Alabama

Customer Service Staff & Deli Clerk

March 2010 - June 2012

Publix Supermarkets

- Responsible for the daily tasks associated with assisting in running the customer service and deli departments
- Coordinated the front end services by managing associate start and end shifts with breaks to ensure there was no lapse in the availability of services
- Training new associates on proper cashiering, bagging, food handling, cleaning, customer service, sales, and food preparation techniques

EDUCATION

Nashville Software School

Web Development Bootcamp

University of Alabama in Huntsville

Philosophy, 2007 - 2010