

Zimmer Communications, Columbia MO —Full Stack Web Developer

September 2020 - PRESENT

- Personally delivered over 30 completed websites start to finish by directly communicating with clients about their needs, strategizing their wireframes, delivering mockups, framing their proposals, and producing their website or web app.
- Increased site maintenance speed for some websites from taking several hours to 5 minutes by implementing interfaces in WordPress backends that utilize ACF and outputting the content via WordPress templates.
- Developed PHP integrations for 3rd party services into WordPress websites and other web apps by studying API documentation and implementing data servers into sites and data endpoints into other sites.
- Reduced department's margin for error by introducing documented procedures for non-responsive servers, non-responsive sites, and client-sales-dev processes.
- Saved the company over \$5K / year by learning to manage and maintain 9 cloud K8 servers to host our client's websites.
- Improved several website's Google Console Speed Score from low 20s to over 80, by reducing unused code, minifying scripts, installing caches, and using popularly cached scripts and css.
- Revitalized inefficient internally programmed websites by re-writing the code with hooks and callbacks, and reframed the sites with OOP.
- Leveraged knowledge in ReactJS, PHP, CSS, JavaScript, WordPress, SQL, GraphQL, jQuery, SEO, and MySQL.

Education

Dual B.A. (3.4 GPA) August 2016 - December 2019

CodeCademy Courses in PHP, Website Development, HTML & CSS

FreeCodeCamp Certs in Front-End Development, JavaScript Algorithms and Data Structures

Software Projects

To-do List API & Webform Connection with OAuth2

Our team was struggling to stay accountable to site maintenance requests, so in my personal time, I developed a program that hooked onto a function when a form a specified form was submitted and forwarded the maintenance request to our Basecamp 3 digital to-do list. I was stuck with figuring out OAuth2 for myself. Discord, Stact-Adapt, co-workers, and online documentation were all fairly unhelpful or too obtuse, but after a lot of trial and error, I successfully recieved an authentication token. From there I started to understand the concepts more in depth and finished the authentication portion of the project by utilizing a npm package that enabled me to check if the token was expired and to use the refresh token to receive the new token. The rest of the work for this project was re-organizing the submitted form data into Basecamp 3 API friendly data and having the data forwarded on to the API endpoint with the OAuth2 token.

React Site from WordPress GraphQL API Connection : mobile.teamentertainer.com

I resolved a client's website performance issue by enhancing mobile loading speed from a 30 score on Google Console to 90. I rewrote the htaccess file to optimize mobile traffic routing towards a newly developed React web application. I implemented a custom GraphQL API to efficiently manage and retrieve content from the parent site. I leveraged React's capabilities to process and transform data quickly, ensuring optimal presentation and user experience on mobile devices.

Dynamic House Availability Map: linksideliving.com/availability

A client needed a digital map of their properties with dynamic markers to help the user understand what homes were available (or when they would be available), what the home's build type was, and location. I had found a excellent WordPress plugin called MapSVG, but it required each map marker to be placed statically for each change. To solve this, I made an ACF interface page for the user to list out each of the properties and give fields for each to describe it's location and availability. I looked into the database to see how the plugin was writing and mapping out the locations of the markers and created a PHP script that hardcoded the X,Y coordinates to the database for a marker for each property and changed the color of the marker based on it's availability. For extra details, I added fields to help display additional details when a user clicks on a property.

Inventory Management React Native App

My parents own their own business and required a tool to be able to update their inventory in a way that was accessible and easy. I started with mocking up what the user experience would look like in Adobe XD and then decided what I wanted the data to be shaped like. I then created a class with methods for organizing and handling the reshaping of data for displaying. In the process of developing this app, I was challenged to learn several new technologies including using JavaScript Emitters to pass data between screens of the app as apposed to lifting the state up and React Navigation modules to navigate between screens and access the app's data consistently and cleanly with each page.

Skills

PHP, DevOps, ReactJS, SQL, GraphQL, JavaScript, HTML & CSS