

Cam Chandler

Software Engineer

Email: camchandler15@gmail.com

SKILLS JavaScript, Python, PHP, C++, React, Flask, Drupal, Unreal, PostgreSQL, SQL

PROJECTS

Pfizer Architoools (Twig, Drupal, JavaScript, PHP, MySQL)

A full-stack application built to aggregate resources for medical professionals

- Implemented custom mutation observer to alter form state on user actions.
- Decreased load time of the 'Company Content' page by 63% by using Big-O analysis to identify and refactor time complex operations as well as ensuring the efficient use of promises to avoid unnecessary AJAX calls.
- Acted as a point of contact between the development team and the product owner through requirement gathering and demo presentations.

HeartString (CSS, HTML, React, Redux, JavaScript, Python, Flask, Flask-SQLAlchemy, PostgreSQL Socket.io, AWS)

[Live Site](#) | [Github](#) *An alternative social media site where users make anonymous posts and choose one person to connect with from the replies*

- Engineered a series of custom **Socket.io Websocket** events, improving the user experience by allowing users to instantly message without drastically changing how information is routed and stored.
- Constructed modular **react** components to dispatch edit and delete thunks based upon a prop passed to the component, ensuring code was more DRY by reducing the amount of single-use components.
- Incorporated a self-referential **Sqlalchemy** table to represent user relationships, reducing database models by eliminating the need for a joins table, thus increasing scalability by lessening the dependence on the current database structure.

Party-Lure (CSS, HTML, React, Redux, JavaScript, Python, Flask, Flask-SQLAlchemy, PostgreSQL, AWS, Styled-Components)

[Live Site](#) | [Github](#) *A responsive, full-stack application for finding party members in a fictional MMORPG game.*

- Implemented the **PostgreSQL** array data type to track which roles were desired for a party on each post, reducing code complexity and the amount of tables stored without sacrificing functionality.
- Led a meet-up after stand-up to add new items to the **SCRUM** board and delegate who would be assigned what task. This increased efficiency by ensuring everyone had a plan for how to proceed with the work day.
- Leveraged **React's** virtual **DOM** and conditional rendering to display information about a user's party upon click, keeping information displayed relevant to enhance the overall **UI/UX** of the application.

EXPERIENCE

ITTdigital, Software Engineer New Brunswick, NJ

January 2022-Current

- Developed software solutions for clients focusing on healthcare and higher education administration systems.
- Advocated for development practices like code review and version control to improve efficiency and maintainability.
- Facilitated development by interacting with clients, documenting their requirements, and communicating them to the rest of the development team.

Ambu-sure, Administrative Assistant Orangeburg, SC

April 2017-May 2020

- Supervised the training of all drivers and patient attendants, ensuring necessary certifications were achieved per requirements.
- Acted as liaison between internal/external parties, proactively ensuring that all expectations, trip details, and correspondence were clearly communicated and documented in order to ease communication, build rapport and promptly address issues.

University of South Carolina, Research Intern Columbia, SC

Jan 2016- August 2017

- Characterized rheological properties of mucus using passive microrheology by creating **R scripts** to graph Brownian motion .
- Invited as a delegate to the University Global Symposium by faculty of the College of Science. Symposium facilitated networking and the sharing of research experience between students of diverse backgrounds with an interest in the global academic community.

EDUCATION

App Academy | Full-Stack Software Engineering

2021

- Relevant Coursework: Object Oriented Programming (OOP), Test Driven Development (TDD), Coding Best Practices, Systems Design & Architecture, Data Structures, Algorithms, Agile/SCRUM Methodologies

Clemson University - BS Biological Sciences Clemson, SC

2016

- Relevant Coursework: Diverse array of STEM (Science, Technology, Engineering, Math) and humanities courses