

## SUMMARY

- Seeking a challenging and rewarding position in a professional software developer environment where my training and skills can contribute to maintaining an application for external or internal users.
- With the knowledge gained, I would like to gain more insight on creating safe and secure applications and eventually learn more about what it takes to ensure maximum protection for users both internal and external.

## TECHNICAL SKILLS

**ADVANCED:** Javascript, Bootstrap 5, Jest, React.js, Git, Markdown

**FAMILIAR:** Python, HTML, Bulma, Material UI, Flask, Express.js, PostgreSQL, GitHub, VS Code

**BEGINNER:** SQLAlchemy, CSS, Typescript

## TECHNICAL PROJECTS

### POKE-FORUM

- Full-Stack Application built using Python and Flask to build the backend and communicate with database using PostgreSQL.
- Set up relational database with PostgreSQL in order to setup custom Python classes and make backend queries from user input on the frontend of application.
- Used Bcrypt to establish user authentication and authorization to prevent having to write our own custom encryption algorithms for user passwords and provide extra security to the passwords stored in backend database.
- Used cookies in browser to store user authentication response from relational database in order to ensure routes were protected for non-authenticated users. In addition, using cookies provided a seamless way of removing user information from the browser once a user logged out of the application.
- Made use of the public PokeAPI in order to build the backend database for all available pokemon in order to reduce time to render pokemon information for routes that involve all or independent pokemon.
- Added ability to show sprites for each Pokemon under the master Pokemon list in order to make the UI friendlier to new fans of the pokemon games who don't yet know Pokemon by names.
- Implemented routes using Python and Flask to render HTML templates and data for endpoint from relational database.
- Used Jinja-2 Python library to make HTML templates dynamic and make use of the database responses by using Python data structures.
- Made use of Bootstrap 5 in HTML templates in order to make application more accessible to mobile devices with a fluid UI.
- Implemented testing with the use of Python's unit test library in order to use best practices for individual function and route testing. In addition, tests written ensured database was responding with the correct information and routes were responding with correct messages.
- Deployed application to Heroku in order to make use of their free hosting service along with the compatibility for PostgreSQL via the Heroku services making it easier to move the local database code to a live service with little change.

### JOBLY

- Used React.js and React Router Dom NPM library to set up routes for the application in order to create a static application that does not make requests to the backend server when visiting different routes. React frontend routes were used to match Express backend routes that were setup with relational database.
- Made use of React hooks to keep track of state for users that are logged with local storage in the user's browser to ensure the correct routes are listed in the UI and frontend routes are protected from non-authenticated users.
- Implemented Axios library in main application component to prevent AJAX calls from being un-organized across the remaining components. Additionally, having Axios in the main app component ensured the correct states were being tracked and passed down to the correct route and component that is being rendered.
- Implemented feature for individual users to make updates to their profiles from frontend route by taking data from the user form and sending updates to backend API server with AJAX and ensured changes are saved by reloading the route once form has been submitted.
- Used Material UI library to add styling for application in order to get more experience with a different styling framework. In addition, Material UI was used as the library was created with mobile devices in mind meaning no additional changes need to be made for small screens as library already takes this into consideration.
- Enabled form validation with Material UI in order to provide users with feedback if one or more fields are left empty when submitting the signup, login, or profile update forms. This further provides a friendlier UI experience for a user to prevent empty fields or incorrect values with the appropriate messaging.
- Implemented search feature under companies route to filter all companies by names that resemble the user input therefore providing the user with a better experience rather than having to scroll past many company names.
- Implemented feature for users to apply to available jobs and keep reference of current or new applications by making AJAX call from frontend to relational database as this would be used to reload the page due to change in the user's local storage state and this change would display the correct view for a job once a user has applied.
- Corrected bug with application feature where applications were not being tracked unless a user logged out and logged back in. Made changes to the overall response object from the backend queries and the local storage object to keep track of the user's application array

and update whenever the state changes.

- Deployed backend Express code to Heroku in order to take advantage of compatibility with PostgreSQL databases along with free hosting for applications.
- Deployed frontend React code to Surge in order to display the frontend UI on a free publicly available hosting service and once site was deployed with Surge, I was able to view website without issues or errors from backend server which was being hosted on the Heroku platform.

## EDUCATION

### Springboard Software Engineering Career Track

Dec. 2021 to Current

Nine month intensive course in Software Engineering methodologies and technologies with an anticipated graduation of October 2022.

### The Web Developer Bootcamp 2022

Jan. 2021 to Nov. 2021

65 hours in depth Web Development learning starting with the basic HTML syntax and ending with a full-stack application that contains user authentication and authorization. Up to date Javascript syntax (ES6, ES2018 and forward) from basic data types and structures to understanding Object Oriented Programming with Javascript. Deep understanding of the HTTP request/response cycle and how to make calls to external services. Introduction to modern technologies such as Node.js, Express.js, and MongoDB as well as learning how to use each technology individually.

### The Modern Python3 Bootcamp

Aug. 2020 to Mar. 2021

30 hours of Python learning with nearly 200 exercises and quizzes. Increase knowledge of Python3 syntax along with deep understanding of Data Structures and Algorithms in the Python syntax.

## RELEVANT EMPLOYMENT

### MACRO HELIX LLC

Customer Success Manager

Dallas, TX

Oct. 2020 to Aug. 2022

- Attended regular meetings with developers to provide direct feedback from clients on application which helped direct upcoming sprints.
- Participated in IT Ops pilot to teach entry level contributors SQL skills which would allow company to invest more on entry level employees cutting down time to fill positions for Ops department.
- Provided point of contact services to smaller clients to resolve urgent support tasks in a timely manner which helped increase relationships between company and clients.

### Sr. Product Support Analyst

Dallas, TX

May 2019 to Sept. 2020

- Assisted hospital administrators in making financially impactful changes to their software settings in a timely manner.
- Worked with large retail accounts to resolve special projects which helped improve relationships between hospitals, our software, and the large retail accounts.

### Product Support Analyst

Dallas, TX

Sept. 2017 to Apr. 2019

- Assisted hospital clients with inquiries on our software and how to analyze the data effectively.
- Provided feedback on various projects to enhance our software for both internal and external users with our development team based on client feedback.

### CVS CAREMARK

Prior Authorizations Representative

Richardson, TX

Sept. 2015 to Sept. 2017

- Effectively resolved insurance rejections and other billing issues.
- Provided feedback to leadership on worker tasks which helped better organize workflow to increase efficiency.