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PROFESSIONAL SKILLS 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.
- Looking to gain more knowledge on how to setup, maintain, and update applications on all scales to increase my knowledge over the development cycle and Software Engineering.
- With the knowledge gained through a development position, 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.

EDUCATION

Springboard Software Engineering Career Track

Dec. 2021

9-month intensive course in Software Engineering methodologies and technologies with an anticipated graduation date of October 1st, 2022

The Web Developer Bootcamp 2022

Jan. 2021 to Winter 2021

Self paced online bootcamp created and taught by Colt Steele. Course covered frontend and backend technologies with a full stack application as the final project.

The Modern Python3 Bootcamp

Aug. 2020 to Mar. 2021

Self paced online bootcamp taught by Colt Steele. Course introduces all modern Python 3 datastructures and algorithms along with comprehensive coding assignments.

TECHNICAL PROJECTS - SPRINGBOARD

POKE-FORUM

- First major Capstone project for Springboard's Software Engineering course.
- The overall goal of this assignment was to allow us to plan, design, and develop a fully deployed application to Heroku that users can openly visit.
- All skills from previous sections were also tested with this assignment which included frontend such as HTML/CSS and backend which included Python, Flask, and SQL. Additionally, unit and integration testing was added to ensure routes and functions are functioning as intended.
- Time for project completion was roughly 65 hours due to having to design and develop the app from the ground up.

HTML PARSER

- Objective of project was to take a text file full of URLs and make an external request to each endpoint and once a response was received, the script then creates a new file with the HTML code received from the response under the URL host name.
- In addition to returning this information, the tool was required to skip over invalid URLs and we were free to use whichever methods we chose.
- This project doesn't have a frontend as the main focus of the assignment is understanding how to create terminal scripts with Node.js which can be powerful and customizable to the developer's needs.
- Time for project completion was between three to five hours due to testing not being a requirement of the base logic however, I was encouraged to create the testing for the functions created as part of continuing education for these types of projects.

GIPHY PARTY

- The main goal of this project was to show the knowledge gained through the first subunits of the bootcamp which focused on DOM manipulation and Axios requests via Javascript.
- The overall instructions were to take a blank HTML template and add the new gif images that are returned from the external request to the page dynamically vs having to hard code each image individually.
- The last feature of project was using authentication with external sources. With regards to the Giphy API, I was to make a developer account and request my own API key so the app can use that authentication key for each request that is made through the static page.
- As a bonus topic, we were also taught why storing the external API key isn't the best approach for these static applications as it could open the door for several malicious attackers to use the key in the source files through their own requests without having to register their own account.
- Time for project completion was roughly five to eight hours.

CURRENCY CONVERTER

- In addition to being introduced to Python and Flask, we were also taught how to make external requests from Python and how this process is both similar and different from Javascript.

- The assignment also included writing the tests necessary for each route to ensure that the functions created for each route were returning the proper information based on the inputs from the user.
- As a bonus, once the base logic of the project was completed and styles were added, we were asked to find a way to prevent a specific error from being seen on the page as some currencies are not available through the forex-python library due to the external API not containing any exchange information. The approach I took was to look for a specific error and wrap my calculation route in a try/except block to look for this error which would then prompt a user with a message stating that there is a currency input that is not available.

TECHNICAL SKILLS

CORE LANGUAGES: HTML, CSS, Python, SQL, Javascript

FRONTEND TECHNOLOGIES: Bootstrap 5, Bulma, JQuery, Axios, Jinja 2

BACKEND TECHNOLOGIES: PostgreSQL, SQLAlchemy, Flask SQLAlchemy, WTForms, Flask WTForms, Node.js, Jest, SQL

WEB FRAMEWORKS: Flask, Express.js

ADDITIONAL SKILLS: Salesforce Case Logging Experience, Microsoft Excel

RELEVANT EXPERIENCE

MACRO HELIX LLC

Dallas, TX

Customer Success Manager

Oct. 2020 to Current

- 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.

Dallas, TX

Sr. Product Support Analyst

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.

Dallas, TX

Product Support Analyst

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

Richardson, TX

Prior Authorizations Representative

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.