JONATHAN HUMPHREY

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Software Engineer with a knack for problem solving and a passion for designing and developing workable, scalable solutions.

» Skills

PROGRAMMING
HTML
CSS
SASS
JavaScript
Context API
Cypress
Python
Postgres
Git
Web3
Vue
React
Redux
C++
C
Python
Flask
Java
MongoDB
Express

GENERAL
Problem Solving
Collaboration
Critical Thinking
Detail Oriented

» Education

San Jacinto Community College	2017 to 2019
AS Applied Science 2019	
Texas State University	2019 to Current
BA Computer Science 2023	

» Projects

Creator Dashboard - Creator   2022

- Developed an algorithm to create and filter data objects provided by the user's connection to the Twitch API
    -> Filtering for a user's followers based on follow date
    -> Filtering of a user's followed streamers based on:
        - Ascending viewership
        - Descending viewership
        - By specific game. The system retrieves a list of games that match the query.
- Handled and stored data gathered via requests to Twitch's API in local state
- Designed a front end that feels familiar to the user by emulating a color scheme and UX similar to Twitch
- Implemented and sanitized cross-origin requests in order to embed a video player and live chat from the Twitch website
- Engineered a paging system so that all the data could be accessed by the user with ease in a paginated view

Form to Table - Software Engineer   2022

- Designed and implemented dynamic components to take data from a backend and display them to the user
    -> The system takes JSON objects as a parameter and the components are rendered dynamically
- Handled and sanitized dynamic form components to gather data from the user
    ->Inputs are validated to make sure that malformed data is unable to be submitted
- Designed a system to convert the data into a CSV and export it to a backend, or excel
- Implemented error checking and test cases to automate validation of edge cases
    -> Tests completed using Cypress automated testing

Note Max - Creator / Software Engineer - Full Stack (WIP)   Jan. 2023 to Current

Front End:
  - Designed and tested a dynamic ItemCard component to take data from the backend and display it in a gallery format
  - Designed Routing diagrams and implemented the routing tree with React
  - Implemented file storage in tandem with the backend to hook up the front end with the end point
      => Converted pdf files into binary so they can be stored and processed by the backend
  - Coordinated with the backend team to ensure that endpoints lined up properly
  - Developed reusable sign up and login components with sanitized inputs
Back End:
  - Implemented custom logging middleware
  - Engineered a solution to storing pdf files in a MongoDB cluster
  - Used encryption to ensure the safe storage and handling of sensitive data
  - Collaborated with front and back end team members to ensure proper validation of keys and files

Assistant Aquatic Coordinator - City of La Porte   May 2019 to Aug. 2019

- Managed the scheduling and payroll entry of over 70 employees
- Evaluated the inventories of four locations and submitted supply requisition forms
- Oversaw the day-to-day activities of these four locations and made sure that the facilities were maintained effectively
- Maintained an effective line of communication between my superiors and the employees I oversaw