

JONATHAN HUMPHREY

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🔗 jonathanhumphrey

Innovative and results-driven Front End Developer/Software Engineer with a passion for creating engaging user experiences and robust, scalable software solutions. Proficient in leveraging cutting-edge technologies to drive projects from concept to completion. Equipped with a strong foundation in React, Vue, python, C++ along with a demonstrated ability to collaborate effectively in cross-functional teams.

» 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 2023
BA Computer Science 2023	

» Projects

Dungeon Master's Toolkit	Feb. 2024 to Current
<ul style="list-style-type: none">- Designed the layout of the page to facilitate a smooth user experience in the face of complex form tasks.- Performed requirements engineering with people who have need for the tool to ensure the user experience for targeted groups would satisfy their needs.- Localized app state in local storage in order to allow for seamless continuation of user sessions without the need for a server.- Implemented dynamic design principles to ensure a flat experience for users on different screen sizes.	
Creator Dashboard - Creator	2023
<ul style="list-style-type: none">• Developed a custom algorithm to retrieve and filter data objects from the Twitch API, providing users with a streamlined and intuitive experience.• Leveraged advanced filtering techniques to allow users to sort their followers and followed streamers by criteria such as follow date, ascending or descending viewership, and specific games.• Managed and stored data retrieved via requests to the Twitch API in local state, ensuring optimal performance and minimizing server load.• Designed a front-end user interface that emulates the look and feel of the Twitch website, providing a familiar and intuitive experience for users.• Implemented cross-origin requests to embed a video player and live chat from the Twitch website, enhancing the user experience and providing additional functionality.• Engineered a paging system to enable users to easily access and navigate through all available data, providing a seamless and efficient experience.	
Cafe Log - Full Stack Engineer	Apr. 2023 to Current
<ul style="list-style-type: none">• Designed and developed a full-stack web application using Flask, React, and PostgreSQL, enabling users to log and share their coffee brewing recipes and preferences.• Built a user-friendly interface that allows users to input and save details about their brewing process, including brewer type, coffee grind coarseness, and recipe steps, as well as their personal rating of the resulting coffee.• Implemented a robust search feature that allows users to filter and sort through logs made by other users based on roast level and brewing method, enabling them to discover new recipes and techniques.• Developed user authentication and authorization functionality to ensure that users' personal logs and saved recipes are secure and private, while also enabling them to share their logs with other users if desired.• Leveraged SQLAlchemy to manage the PostgreSQL database, ensuring data integrity and enabling efficient querying and retrieval of log data.• Utilized modern web development tools and techniques such as React hooks, Redux, and RESTful APIs to create a fast and responsive user interface, providing an optimal user experience.• Gained valuable experience in full-stack web development, database management, and user interface design through the project, demonstrating strong technical skills and a passion for delivering high-quality software.	
Note Max - Creator / Software Engineer - Full Stack (Demo)	Jan. 2023 to Current
Front End: <ul style="list-style-type: none">• Designed and tested dynamic components to programmatically display data obtained through queries to our MongoDB cluster• Designed Routing diagrams and implemented the routing tree with React• Created a dashboard for users to filter note templates by the categories that they have subscribed to. Users can interact with dynamic display cards and navigate to a page to view the pdf template, leave a rating, and download the file to their local machine.• Implemented file storage in tandem with the backend to align the front end with the end point. Achieved through converting pdf files into binary so they could be stored in our database.• Created API slices for our User and File storage to standardize our query system to the backend. Back End: <ul style="list-style-type: none">• Implemented custom logging middleware to keep track of our user's traffic in order to further refine the application.• Engineered the application's file storage endpoints and file controllers to reinforce the standardized structure of the frontend to maintain a monolithic project structure.• Secured sensitive data with encryption and validated user log in with auth token handshakes• Collaborated with other backend engineers in order to implement a system to allow users update and modify their user information.	
Lyric Finder - Creator	Mar. 2023 to Apr. 2023
<ul style="list-style-type: none">• Designed an algorithm in Python to parse through a CSV file containing song lyrics from the top 100 songs from the last 50 years and index them into a search engine.• Implemented a keyword search algorithm to return the top 15 results based on the relevance to the original query by leveraging the query against an inverted index to efficiently return these results.• Engineered functionality to highlight search terms within the generated snippets, providing a more intuitive and user-friendly experience.• Leveraged the Bing web search API to retrieve search results and generate snippets of content related to each result, enabling users to quickly and easily find relevant information	