CHASE POULTON

Software Engineer

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📍 Knoxville, TN

SUMMARY

Experienced Software Engineer with a demonstrated creative ability to design unique and fun projects with practicality utilizing front-end and back-end concepts. I love facing the challenges that come with learning the many facets of development, and the fulfillment felt when a project comes to fruition or a puzzling issue gets resolved.

EXPERIENCE

BananaBooBoo

QuickStart   📅 06/2024 - 06/2024   📍 Remote

A banana forum with a banana convertor for weight, distance, etc; talk about banana recipes, conversions, fun facts, and books!

- Built using HTML, CSS, JavaScript, React, and Vite for a dynamic and responsive frontend experience.
- Utilized React Router for seamless navigation between forum categories and user interactions.
- Created with Express.js, MySQL, and EJS for handling server-side logic, database interactions, and dynamic content rendering.
- Implemented secure login and registration features using bcrypt for password hashing and JSON Web Tokens (JWT) for session management.
- Incorporated Axios for making HTTP requests, facilitating communication between the frontend and backend.
- Developed a unique banana converter feature allowing users to convert measurements like weight and distance into humorous banana equivalents.
- Styled the application with Bootstrap for a consistent and user-friendly interface, catering to the forum's quirky theme.

Death-Hodl: Paper Trader Application

Quickstart   📅 05/2024 - 05/2024   📍 Remote

A crypto trading simulator that grants registered users $100k balance to purchase cryptocurrencies. Users can get points for referrals that they can trade for dollars to their portfolio.

- Developed using Python with Django for backend logic and HTML, CSS, and JavaScript for frontend design and interactivity.
- Utilized the CoinGecko API to fetch real-time cryptocurrency data, enabling users to simulate trading with accurate market conditions.
- Employed Pandas for data manipulation and analysis, enhancing the financial simulation with detailed insights.
- Styled the app with Bootstrap, Font Awesome, and CDN Fonts, creating a polished, user-friendly interface.
- Implemented Chart.js for dynamic, interactive charts displaying historical and current cryptocurrency data.
- Developed a points-based referral system allowing users to convert referral points into trading capital within the app.
- Utilized SQLite3 for managing user data, trades, and portfolio information efficiently.

FUHGETABOUDIT: Task Manager Application

QuickStart   📅 04/2024 - 04/2024   📍 Remote

A simple GTA/Mobster themed To-Do List (task manager) with a fun puzzle aspect for gaining access.

- Developed using JavaScript, React, HTML, CSS, and Vite for a fast and efficient build process.
- Implemented with React Router to manage multiple pages, including secure access to the to-do list.
- Integrated drag-and-drop capabilities for task management using React DnD, enhancing user interaction.
- Styled with Bootstrap, Google Fonts, and Font Awesome for a polished, themed aesthetic consistent with the GTA/Mobster vibe.
- Created a unique access system requiring a passphrase, with hints and a contact form providing a gamified user experience.
- Enabled persistent task storage using local storage to maintain user data between sessions.

SKILLS

Programming

Javascript HTML CSS Python Matplotlib Django Bootstrap SQL React Vite React Router Chart.js jQuery Node.js C# .NET Java bcrypt jsonwebtoken express ejs CORS dotenv macOS

Databases & Servers

MySQL MongoDB SQLite3 Azure PHP

Development

GIT PyCharm VSCode Netbeans

COURSE WORK

Building Functional Prototypes using Node.js
Quickstart, 2024

Scrum & Agile Immersion
Quickstart, 2024

Principles of Software Engineering III: System Desgin
Quickstart, 2024

JavaScript Async
Quickstart, 2024

Dynamic & Interactive Web Pages - Beginners JavaScript DOM
Quickstart, 2024

Introduction to Bootstrap
Quickstart, 2024

Fundamentals of Moderns JavaScript - ES6 and Beyond
Quickstart, 2024

EXPERIENCE

IDGIF.com

QuickStart   📅 03/2024 - 03/2024   📍 Remote

This is a simple webpage with a search form utilizing the GIPHY API. Essentially, a GIF search engine. Simple and concise design, a satisfying minimalist approach.
- Built using HTML, CSS, and JavaScript for a responsive and interactive user experience.
- Integrated with the GIPHY API to provide dynamic GIF search capabilities, including a random GIF feature.
- Designed with a minimalist approach using Bootstrap and Google Fonts to ensure a clean, user-friendly interface.
- Implemented a random search button and a dropdown list offering additional GIF-related resources for enhanced usability.
- Adjusted image display columns dynamically based on the number of search results, ensuring an optimized viewing experience.
- Enabled users to copy the URL of a GIF directly by clicking on the image, facilitating easy sharing.

Personal Information Based Website (chasepoulton.com)

QuickStart   📅 02/2024 - 02/2024   📍 Remote

A personal/business website to showcase music releases under the artist name: Chas3 Pap3rs
- Utilizing HTML, CSS, Bootstrap,GitHub, Hostinger to make a fun, easy to use publically available website where people can discover Chas3 Pap3rs music (currently, chasepoulton.com).
- Using Formspree, created a working contact form for users to make contact with the artist.

Technical Coordinator & Assistance Specialist II

University of Tennessee, SWORPS

📅 01/2023 - Present   📍 Knoxville, TN

Lead the TN Strong Families Grant Program Help Desk at UT SWORPS, providing technical support to grant subrecipients. Responsibilities include managing communication systems, creating support content, and developing tracking tools for efficient service delivery.
- Began on the TN Child Care Help Desk and quickly advanced to lead the TN Strong Families Grant Program Help Desk, managing a dedicated support team.
- Set up a shared inbox and phone line using Outlook and RingCentral, streamlining communication channels for grant subrecipients seeking technical assistance.
- Designed and implemented an inquiry tracking system using Excel and TeamDynamix to monitor and document all incoming support requests and resolutions
- Developed a range of multimedia resources—including videos, logos, flyers, and interactive PDFs—using tools like Microsoft 365, Zoom, Canva, and Affinity Designer to support subrecipients and establish a strong, recognizable brand for the TN Strong Families Support Team.
- Created an easy-to-use system for tracking service documentation, ensuring accurate and efficient record-keeping for subrecipients providing services to mothers and families in Tennessee.
- Provided a structured framework and design description for a dedicated webpage on the UTK SWORPS website, enhancing visibility and access to resources for the TN Strong Families Grant recipients.
- Developed a Python application for transferring data between different versions of the tracking tool I created.

EDUCATION

Software Engineering Bootcamp

QuickStart, UTK   📅 01/2024 - 06/2024   📍 Remote

AAS Computer Programming

Pellissippi State Community College

📅 2021 - Present   📍 Knoxville, TN

COURSE WORK

Introduction to HTML and CSS
Quickstart, 2024

Introduction to UX and Product Management
Quickstart, 2024

Introduction to Web Development
Quickstart, 2024

Starting with Git & GitHub
Quickstart, 2024

CompTIA IT Fundamentals ITF+ (FCO-U61)
Quickstart, 2024

Principles of Software Engineering I: principles of engineering, software development lifecycle
Quickstart, 2024

STRENGTHS

Time management
Prioritizes essential tasks so they are not rushed. Sets deadlines that ensure reaching milestones on time.

Adaptability
I remember that change is not personal and is inevitable. I break my projects into multiple parts so that if something goes wrong, I can quickly fix it.

Accountability
I take ownership of my mistakes. By doing that I learn what I did wrong so that it does not happen again.