Brian Rowell

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WORK EXPERIENCE

People 2.0 (Contractor at CHS Inc.)   **Remote**
Junior Software Engineer for the Payment Solutions Team   April 2024 - Present
- Contributed to over 20 enterprise codebases to maintain and deliver features using C# ASP.NET MVC, JavaScript, TypeScript, Angular, and SQL Server database projects.
- Designed and optimized stored procedures, tables, and schemas using SQL Server Management Studio (SSMS) and Visual Studio for high-performance transaction handling.
- Deployed our team's applications and database changes using Octopus Deploy.
- Supported job scheduling via Tidal, assisting with automated task execution.

MadeInUSA   **Remote**
Ecommerce Database Analyst, Junior Software Engineer   September 2023 - April 2024
- Wrote Python scripts to automate import of products.
- Wrote and implemented a ChatGPT API JavaScript program to automate SEO metadata generation for over 100,000 products.
- Utilized Jira to track project tasks and manage team workflows in an Agile environment.

Alliance Resource Partners, LP   **Lexington, KY**
Full Stack Software Engineer Internship/Co-Op   January 2021 - December 2021
- Worked with C# and the MVC design pattern to implement features used in Coal Miner operations.
- Diagnosed and resolved bugs in our client and web applications.
- Wrote SQL and stored procedures to fix and/or enhance database operations.
- Implemented features using C#, JavaScript, HTML, CSS, jQuery, and Bootstrap.

NABP Senior Design Project - PharmaSwiper   **Lexington, KY**
2D PC/Mobile Game Programmer   August 2021 - December 2021
- Worked with C# and the Monogame framework to build a 2D mobile/PC game for NABP (National Association of Boards of Pharmacy) to help Pharmacy students study in a more fun and efficient manner.

PROJECTS

- **SEO MetaData Generator -** Utilized the ChatGPT API in conjunction with JavaScript to dynamically generate SEO metadata for an extensive catalog of over 100,000 products. Initiated the project in Python and subsequently transitioned to JavaScript to enhance SEO data generation for all vendor products, ensuring optimal search result rankings.
- **Image Link Formatting/Extraction and Combination Generator -** Created Python scripts to build delimiter-separated lists for image links and generate combinations for seamless CSV-import construction. This significantly accelerated vendor import times. The combination generator automated the creation of 3000 product variations, a task that was previously manual, resulting in weeks of time saved.
- **MineSweeper Java -** Developed a MineSweeper game using Java, featuring three distinct board sizes.

EDUCATION

University of Kentucky   **August 2018 - July 2023**
Bachelor's of Science, Computer Science

INTERESTS: 2D Game Development, Hiking, Volleyball, Learning Japanese