Marcos Gonzalez

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EDUCATION

Lehman College 2018 – 2021
Bachelor of Science in Computer Science *Bronx, NY*
- Academic Honors: Cum Laude (GPA: 3.6)

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, C#, Python, HTML, CSS, SQL
Frameworks: Node.js, Express, React, Spring, .NET, Tailwind CSS, Bootstrap
Databases: PostgreSQL, Microsoft SQL Server, MongoDB
Developer Tools: Git, GitHub, VS Code, IntelliJ IDEA, Visual Studio, Postman, Jupyter Notebook

PROJECTS

Video Game Sales Data Analysis | *Python, Jupyter Notebook* Source Code
- Analyzed a dataset containing video game sales information to gain an understanding of the video game market.
- Used the pandas library to load the dataset into a DataFrame, verify the faithfulness of the data, and clean the data by removing duplicate rows, rows with missing data, and rows with incorrect values to make better visualizations.
- Identified the best-selling genres and platforms in each region and how publishers used that data to maximize their profits which can be seen in the dataset where some publishers only develop games that belong to a popular genre.
- Incorporated the Matplotlib and Seaborn data visualization libraries to create various plots that visualize the dataset such as using a lineplot to display the sale distribution for all regions according to the genre of the game.

MyBookList | *JavaScript, React, C#, ASP.NET, Microsoft SQL Server* Live Demo | Source Code
- Created a full-stack web application that allows users to catalog all of their books and share them with others.
- Developed a REST API that is organized using the MVC design pattern which serves JSON to the front end and uses Identity to implement cookie-based authentication that only allows authorized users to access the application.
- Integrated the Google Books API to retrieve and store book data and created reusable components to display book covers for the search results returned from the API and for all the books a user has added to their profile.
- Used the Context API to manage the authentication state and used React Router to handle routing with public pages that can be accessed by all users and private pages that can only be accessed by authenticated users.

Expense Tracker | *TypeScript, React, Java, Spring Boot, PostgreSQL* Live Demo | Source Code
- Developed a full-stack web application where users can manage, track, and visualize all of their transactions.
- Designed a relational database that stores every transaction, and user with Spring Data JPA being used to create repositories that allow the application to access the database and perform all the necessary CRUD operations.
- Incorporated the Spring Security framework to secure the Spring Boot REST API which authenticates users and authorizes each API endpoint, preventing user data from being modified and accessed by unauthorized users.
- Implemented responsive web design by using Tailwind CSS to enhance the application's user experience and ensured that the layouts and styling were responsive and consistent across different devices and screen sizes.

EXPERIENCE

Customer Service Representative 2014 – 2020
CFSC *New York, NY*
- Followed company protocol regarding security to ensure both employees and company assets were protected.
- Processed transactions for clients, including cashing checks, wire transfers, bill payments, and money orders.
- Assisted management by training new customer service representatives and daily balancing of the cash inventory.
- Maintained accurate records of each transaction and ensured all documentation and paperwork were in place and within compliance.