Marcos Gonzalez

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Education

Lehman College – Master of Science in Computer Science	Expected May 2025
Lehman College – Bachelor of Science in Computer Science	May 2021

Skills

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

Projects

Video Game Sales Data Analysis — github.com/vzmars/video-game-sales-analysis

- Analyzed a video game sales dataset using Python to gain an understanding of the gaming industry
- Used the pandas library to load the dataset into a DataFrame, ensure its accuracy, and refine it by removing duplicates, incomplete, and incorrect data to improve visualization quality
- Identified the top-selling genres across regions and examined how publishers used this data to maximize profits, evident in the dataset where certain publishers focus solely on popular genres for game development
- Incorporated Matplotlib and Seaborn to create detailed visualizations, such as line plots, illustrating sales distribution across regions based on game genres

MangaNotifications — github.com/vzmars/manga-notifications

- Created a Discord bot using JavaScript, Node.js, and MongoDB providing users with the option to subscribe to any series and receive notifications upon new chapter releases
- Used the Discord API to implement logic that allows the bot to send messages and interpret user commands
- Developed a system enabling the bot to fetch series data from the MangaDex API and incorporated web scraping libraries to retrieve series data from alternate sources when the MangaDex API search is unsuccessful
- Implemented a recurring cron job that is executed every 30 minutes, inspecting each series in the user's subscription list and sending notifications for any new chapters found

Expense Tracker — github.com/vzmars/expense-tracker-api

- Developed a web application using TypeScript, React, Java, Spring Boot, and PostgreSQL providing users with tools for managing, tracking, and visualizing their transactions
- Designed a REST API organized with the MVC design pattern, securely serving JSON responses to the frontend, and implemented user authentication with Spring Security to restrict unauthorized access
- Integrated the Context API to manage the authentication state of the application and used React Router for seamless navigation, controlling access to public and private pages based on authentication status
- Incorporated responsive web design techniques to improve user experience, ensuring that layouts and styling were responsive and consistent across different devices and screen sizes

Experience

Customer Service Representative, CFSC – New York, NY — November 2014 – March 2020

- Processed a variety of financial transactions for clients, such as check cashing, wire transfers, and money orders
- Maintained accurate and compliant financial transaction records adhering to all documentation requirements
- Supported management by training new team members on financial operations and security procedures
- Applied knowledge of security protocols restricting unauthorized entry to secure areas protecting both employees and company assets