Javier Ramirez Salazar

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SKILLS

Experienced:

Python• C++
•PostgreSQL/mySQL/SQLite •
Django/FastAPI/Pandas • Qt •
Unity• Processing • Arduino •
CI/CD

Familiar:

Java • Linux • Docker • React •
JavaScript • HTML • CSS •
Bootstrap • Tailwind

LINKS

- github://ramirezj129
- linkedin://ramirezj129
- website://ramirezj129.com

EDUCATION

B.S in Computer Science

University of Houston Downtown
December 2022

COURSE WORK

Data Structures & Algorithms
Software Engineering
Natural Language Processing
Object-Oriented Programming
Database Systems
Operating Systems
Internet of Things
Artificial Intelligence

EXPERIENCE

UI Replication of School Web Portal – Software Engineer   2022

- Collaborated with a team of 3 to create a user interface that replicates the school's website portal using Qt software, following the SDLC process.
- Utilized Qt Creator, C++, and QML to implement features such as login authentication and account creation.
- Delivered a high-quality and user-friendly school portal that enhanced the user experience for students and improved the efficiency for teachers.

Restaurant-based RDBMS – Team Member   2021

- Worked with mySQL in a team of 3 to design and develop a restaurant-based RDBMS which helps restaurants manage their menu items, customers, employees, and loyalty program efficiently.
- Created the database, developed database queries, wrote SQL scripts, and tested the system, ensuring that the database was fully functional and met all of the project guidelines.
- Successfully created a functional RDBMS that streamlined restaurant operations, demonstrating effective collaboration, problem-solving, and technical skills

PERSONAL PROJECTS

Django E-commerce Website – Javier's E-shop   2023

- Independently developed an e-commerce website using Python, Django, and SQLite showcasing knowledge in full-stack web development.
- Utilized HTML and CSS to design and implement custom website templates, ensuring a visually appealing and user-friendly interface

REST API – Library   2023

- Designed and developed a REST API using Python FastAPI framework, demonstrating working knowledge in backend web development and RESTful API design principles.
- Utilized SQLAlchemy ORM to interact with a PostgreSQL database, managing data and storage retrieval efficiently.

Game Development – Space Game   2022

- Designed and developed a 2D video game using Processing and Java. Demonstrated proficiency in object-oriented programming and game development principles.
- Created custom game mechanics, including character movement, enemy behavior and collision detection resulting in engaging/challenging gameplay.
- Showcased video game project in public presentation, conducted play-testing sessions and solicited feedback from users.