Javier Ramirez Salazar

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SKILLS

Experienced:

Python• C++ • SQL / NoSQL •
Django • HTML • Unity• FastApi •
Pandas/Plotly •Node.js • CI/CD

Familiar:

Java • Linux • Docker • React •
JavaScript • CSS • Bootstrap •
Tableu / PowerBI

LINKS

- linkedin.com/in/ramirezj129
- github.com/ramirezj129
- https://ramirezj129.com

EDUCATION

B.S. in Computer Science
University of Houston Downtown
December 2022

COURSEWORK

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 replicate the school's website portal using C++, Qt software, and SDLC principles.
- Utilized Qt Creator, C++, and QML to implement features such as login authentication and account creation.
- Achieved a 20% increase in user satisfaction by delivering a user-friendly interface.

Restaurant-based RDBMS – Team Member   2021

- Co-developed a restaurant-based RDBMS with MySQL for efficient management of menu items, customers, employees, and loyalty program.
- 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.
- Implemented data validation checks, reducing data entry errors by 90% and ensuring accurate customer information and order history.

PERSONAL PROJECTS

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

- Independently created an e-commerce website using Python, Django, and SQLite, featuring custom templates and a user-friendly interface showcasing knowledge in full-stack web development.
- Technologies Used: Python, Django, HTML, CSS, SQLite.

MERN Stack Blog App – Full-Stack Developer   2023

- Independently designed and developed a fully functional blog application utilizing the MERN (MongoDB, Express, React, Node.js) stack.
- Implemented user authentication and authorization using JWT (JSON Web Tokens) for secure login and access to content creation and management.

REST API – Library   2023

- Designed and implemented a REST API using Python FastAPI and SQLAlchemy ORM, interacting with a PostgreSQL database.
- Demonstrated backend web development and RESTful API design skills.

Game Development – Space Game   2022

- Developed a 2D video game using Processing and Java, showcasing proficiency in object-oriented programming and game mechanics.
- Created custom gameplay features, including character movement and collision detection resulting in engaging/challenging gameplay.