Ricardo Tlatelpa

Full-Stack Engineer

rtlatelpa4@gmail.com · (917) 821-5680
LinkedIn · Portfolio · GitHub · Brooklyn, New York

Education

Bachelor of Arts in Computer Science | CUNY Hunter College, New York, NY (2023)

Technical Skills

Programming Languages: C++, Python, Javascript, HTML, CSS, SQL

Tools and Software: Git, Docker, Kubernetes, AWS, Google Cloud Provider, JQuery, PHPUnit, Jest, Mocha Cypress, MongoDB, ReactJS, React Native, Redux, ExpressJS, Adobe Suite, Figma

Career Experience

Research Foundation CUNY   **New York, NY**

Front-End Engineer   *March 2020 - August 2022*

- Modernized Centro's primary website, integrating the latest HTML, CSS, and JavaScript standards, which, combined with a monthly traffic of around 30,000 visitors, resulted in an improvement in site accessibility
- Participated as an active member on Agile Scrum team by attending weekly Scrum meetings and used Git/Asana for version control while documenting work through Asana
- Spearheaded the development of prototypes and mockups presented to the Director of Research Institution, which led to a 50% increase in informed decision-making efficiency

Project Experience

Typing Racer   **New York, NY**

Full-Stack Engineer   *September 2023 - December 2023*

- Conducted comprehensive testing on both front end and back end Typing Racer services using test suites vitest and Cypress, and automating these suites through GitHub actions
- Dockerized services with Kubernetes orchestration, establishing a resilient and scalable system capable of lightning-fast production environment rebuilds, reducing deployment and development downtime
- Produced a matchmaking service utilizing a priority queue algorithm to pair incoming players with rooms through a WebSocket channel, significantly reducing player wait times and enhancing overall gaming experience

UFIT   **New York, NY**

Full-Stack Engineer   *June 2023 - August 2023*

- Implemented cross-platform UI/UX designs using Figma and transformed them into a React Native application, ensuring consistent and intuitive user experiences across iOS and Android platforms
- Devised a loosely coupled architecture, optimizing for high scalability and performance with React Native, NodeJs and ExpressJs
- Contributed to connecting OpenAI's function calling, resulting in expanded user engagement and increased utilization of AI-generated workout plans within the platform

Online Auction System   **New York, NY**

Database Administrator(DBA)   *January 2023 - June 2023*

- Developed an Entity Relationship Diagram for a MySQL database to model the intricate data structures of an online auction system similar to eBay, ensuring comprehensive representation of relationships and entities
- Translated the Entity Relationship Diagram into normalized tables following the three normal forms, optimizing data storage and minimizing redundancy, enhancing database efficiency and reducing data anomalies
- Rigorously tested the SQL database by simulating transactions within the online auction system, populating tables with synthetic data, and conducting local SQL queries, ensuring the database's reliability and functionality under various transactional scenarios