

PEDRO MARCELLO VINCENTY

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SOFTWARE ENGINEER

Multi-disciplined problem solver with a robust programming background and extensive experience collaborating with cross-functional teams. Demonstrated ability to simplify complex technical concepts for diverse audiences, enhancing communication and project outcomes.

TECHNICAL SKILLS

HTML, CSS, JavaScript, React, Python, Flask, SQL, SQLAlchemy, R

TECHNICAL PROJECTS

Google Mapper - [Repository](#)

Google Maps JavaScript API application to explore locations, show current location, and navigate to specific coordinates.

- Designed and implemented front-end stack application using HTML, CSS, and JavaScript.
- Implemented a RESTful API simulation using json-server to store and manage user-defined favorite locations.

ReacTunes - [Repository](#)

React application that allows users to create, read, and update playlists in their Spotify library by utilizing the Spotify API to fetch and manage playlists, and provides features for playlist playback, exploration, and artwork updates.

- Leveraged React and React Router for dynamic UI/UX, integrating Spotify Web Playback and Axios for API calls.
- Implemented OAuth authorization to ensure secure and seamless user authentication.

FlatPay - [Repository](#)

Full-stack application allowing users to add other users, send and request money, and manage transactions on a social platform.

- Developed a Python Flask and SQLAlchemy ORM backend to handle API requests and RESTful routing.
- Integrated authentication and authorization mechanisms to manage user sessions, ensuring secure user management.

EXPERIENCE

CREDIT AGRICOLE

New York, NY

Technical Associate

2023-2024

- Developed AI policy leveraging technical expertise and a blend of professional and academic knowledge.
- Created a monitoring tool for the CCO, improving efficiency in tracking and analyzing trade errors across funds.
- Enhanced regulatory compliance tools with Python and SQL, streamlining tracking and reducing manual input.
- Automated reporting with Python scripts, delivering real-time compliance analytics for enhanced decision-making.

NATIONAL BANK OF PAKISTAN

New York, NY

Data Engineer

2020-2023

- Automated logic testing scripts, enhancing data integrity for monthly banking operations.
- Optimized 100+ R and SQL scripts to assess 200+ critical data points per financial transaction.
- Streamlined data integration by refining Python scripts, consolidating weekly information into a unified RFI table.
- Automated Power BI dashboard deployment via CI/CD pipelines for enhanced decision-making on eight teams.

EDUCATION

FLATIRON SCHOOL

New York, NY

Software Engineering, Full Stack Development

2024

FORDHAM UNIVERSITY, GABELLI SCHOOL OF BUSINESS

New York, NY

Master of Business Administration, Information Systems, GPA 3.9

2021-2024

LOYOLA UNIVERSITY MARYLAND

Baltimore, MD

Bachelor of Science in Mathematics, Minor in Physics

2013-2017