PETE AGUIRRE II

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Summary: Currently applying for the this Data Engineer role at your company with the expectations to leverage data analytics and insights to optimize operations and drive revenue growth.

QUALIFICATIONS

- Four-year degree in Computer Science using **Python**, **C++**, and **Java** with four years of work experience.
- Four-year experience working with **SQL, Microsoft Excel, Microsoft BI,** and **Tableau**.
- Strong understanding and interest in Object-Oriented Programming and Agile Methodology concepts.
- Possess good analytical skills that translate into outstanding problem solving.
- Proven ability to thrive in a fast-paced, high-complexity environment both individually and team oriented.

PROFESSIONAL EXPERIENCE

TESLA   **Las Vegas, NV**
Application Support Analyst   *April 2023 - April 2024*

- Managed SQL, MySQL, and PostgreSQL databases for multiple projects, ensuring optimal performance, reliability, and security.
- Designed and implemented database schemas, indexes, and stored procedures to support application requirements according to stakeholders needs.
- Analyzed system logs and application performance metrics to identify root causes of issues using Splunk and Microsift BI.
- Engaged in finance data sets to ensure smooth operation and functionality of financial applications.

Energy System Designer II   *September 2020 - April 2023*

- Create tools (Python, SQL, and JavaScript) for the design team to make work 65% more efficient.
- Analyze green technology, cost, and benefits of proposed design & projects for over 8,000 homes.

TERBINE   **Las Vegas, NV**
IoT Data Searcher   *July 2019 – March 2020*

- Used Python 3 libraries to split and analyze data for specific variables.
- Wrote SQL queries to clean data, create, and orgnize metadata & submitted into the system.
- Provided more than 50% of the international energy data sources for Terbine.

EDUCATION

BELLEVUE UNIVERSITY   **Bellevue, NE**
Master of Science in Data Science   *March 2024-Present*

- Learned to use tools and gain knowledge to curate, analyze, and discover trends from datasets.

UNIVERSITY OF NEVADA, LAS VEGAS   **Las Vegas, NV**
Bachelor of Science in Computer Science and Statistics Minor   *May 2020*

- Learned problem-solving methods, algorithm development, and data structures in C++.

SIDE PROJECTS

STOCK PORTFOLIO RISK ANALYSIS

- Implemented Monte Carlo Simulation techniques to generate and analyze thousand of potential outcomes.
- Applied Python libraries, such as: pandas, numpy, matplotlib, and seaborn to visualize and clean datasets.
- Utilized the Yahoo!Finance API was utilized to gather historical stock data for analysis.