

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 **AWS Athena**.
- 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 AWS Athena, 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 Microsoft 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 organize metadata & submitted into the system.
- Provided more than 50% of the international energy data sources for Terbine.

EDUCATION

BELLEVUE UNIVERSITY, NEBRASKA

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.