

Mark Moreno

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EXPERIENCE

Senior Programmer Analyst | Aldine Independent School District | Houston, TX | July 2020 - Present

- Spearheaded the migration of legacy systems to modern frameworks for a user base exceeding 5,000 enterprise clients, reducing processing time by 30% and improving system reliability by 25%.
- Engineered a large-scale data warehousing solution that consolidated data from 50+ sources, resulting in a 30% improvement in data retrieval efficiency and supporting critical business intelligence initiatives.
- Built ETL models to enhance business processes. Optimizing data pipelines, reducing processing time by 20% through performance tuning and query optimization techniques.
- Designed an automated process for submitting and tracking covid cases across the district. Developed interactive dashboards utilizing Tableau for the general public, campus leaders, and district leaders, increasing data accessibility and decision-making effectiveness.

Software Programmer | Vista Consulting | Baton Rouge, LA | September 2022 - December 2023

- Collaborated with cross-functional teams to gather requirements, design and develop software solutions, resulting in improved functionality and user experience.
- Utilized Pandas and Kafka to streamline data processing and improve data management, resulting in an upwards of 75% reduction in processing time.
- Extracted data from multiple legal platforms such as Filevine, GrowPath, SmartAdvocate, and Lead Docket to streamline workflows for numerous legal firms.
- Developed and maintained multiple PostgreSQL database utilizing AWS and Azure platforms for efficient data storage and retrieval. This resulted in a 40% decrease in technology budget utilization.

Data Engineer | D. Miller and Associates | Houston, TX | September 2021 - December 2023

- Developed and deployed new applications and integrations using Python, resulting in a 30% increase in data accessibility and analysis capabilities.
- Engineered and deployed a scalable data warehousing solution using AWS and PostgreSQL, enhancing data analysis efficiency by 65%.
- Integrated Filevine, Lead Docket, and Univerge platforms, utilizing each respective API's to automate extracting the data into both Demo and Tableau.
- Developed, implemented, and maintained multiple tools for Mass Tort campaigns to efficiently distribute, collect, process, and track data. Resulting in a 40% decrease in technology budget utilization.

Data Analyst | Aldine Independent School District | Houston, TX | January 2019 - June 2020

- Engineered a robust data warehousing solution that consolidated multiple data sources, enabling advanced analytics and resulting in a 30% increase in data retrieval efficiency for strategic decision-making processes.
- Analyzed and interpreted complex data sets using SQL and Python, providing actionable insights that informed strategic decisions, leading to a 20% increase in operational efficiency across the company.
- Design customized reports and dashboards for various stakeholders utilizing SQL and Python. Leading to the identification of key trends and resulted in a 15% increase in feedback reviews.

Instructional Technology Specialist | Aldine Independent School District | Houston, TX | July 2014 - January 2019

- Collaborated with educators across 80+ schools to integrate technology into curricula, resulting in a 95% educator satisfaction rate and a 30% increase in student engagement through the use of multimedia and interactive learning tools.
- Developed and led professional development workshops for over 200 educators, effectively integrating technologies such as SMART Boards and educational software to enhance interactive learning and increasing classroom engagement by 35%.
- Designed and implemented a district-wide digital learning strategy that incorporated interactive multimedia content, increasing student engagement by 25% across 12 schools.

EDUCATION

Bachelors of Science in Mathematics | Texas A&M University | College Station, TX | 2013

SKILLS

ETL: Data Modeling, Data Warehousing, Business Intelligence & Analytics, Cloud Computing, API

Software: Cloud Computing, Aws, Docker, Python, Bash Shell, Excel, Microsoft Office, HTML, CSS

SQL: Mysql, Nosql, Postgresql, Mongodb, Redis

Analytic Tools: Tableau, Cognos, Looker Studio, Metabase