Abhilash Muralidharan

Data Engineer

PROFESSIONAL SUMMARY

Results-driven Python developer with over 8 years of expertise in data engineering and analytics. Proven track record in designing and implementing robust solutions for data integration, ETL processes, and complex analytics. Adept at leveraging Python, PySpark, and other technologies to optimize data workflows, reduce processing times, and deliver actionable insights. Continuously recognized for driving efficiency gains, cost savings, and successful project outcomes. Passionate about transforming raw data into valuable business intelligence.

WORK HISTORY

APPLICATION DEVELOPMENT TEAM LEAD

Accenture-JUN 2022 -Present

- Throughout my tenure, I have been actively involved in multiple projects, contributing to the success of each with the following responsibilities:
- Spearheaded the design and implementation of a robust Python and PySpark-based data integration framework.
- Successfully converted existing Informatica-based workflows into the new framework, optimizing data processing efficiency.
- Implemented data quality checks and transformations to ensure accuracy and consistency.
- Leveraged Amazon EMR (Elastic MapReduce) for distributed data processing, optimizing the performance of large-scale data transformations.
- Designed and implemented workflow orchestration using Apache Airflow, ensuring the seamless execution, and monitoring of data integration jobs.
- Developed procedures for loading data into staging and data warehouse tables, ensuring data integrity and meeting business requirements.
- Received client appreciation for designing and implementing a data migration framework using Python and AWS.
- Developed Python scripts for data manipulation, bulk import/export of Azure data catalog using PyApacheAtlas, collaborating with Microsoft teams for enhanced functionality and performance.
- Currently collaborating with a telecom team on multiple projects using SQL and Python for complex data analytics, enabling informed decisions regarding resource allocation and capacity planning.

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Gudalur,TN

CERTIFICATIONS

- Lean six sigma
- Python
- Power BI

EDUCATION

Bachelor Of Engineering: Electrical And Electronics
Dr NGP Institute Of Technology

SKILLS

- Python
- PySpark
- Amazon Web Services
- Visual Basic for Applications
- SAS
- GIT
- Jenkins
- PostgreSQL
- Power BI
- Tableau Software

- Played a key role in deploying applications using Jenkins for continuous integration, contributing to more streamlined development processes, improved code quality, and faster feature delivery.

DATA ENGINEER-ASSOCIATE

Cognizant Technology Solutions

Oct 2021-Jun 2022

- Led the creation of a backend data solution for a manufacturing client.
- Extracted data from S3 and processed raw data in DAT format to Postgres tables.
- Designed and implemented ETL pipelines using Python and AWS services.
- Resulted in improved data accuracy and availability for business intelligence and reporting.
- Processed multiple nested JSON responses from REST APIs using Python.
- Integrated the data into Postgres tables.
- Designed and developed a custom solution to handle complex data structures.
- Resulted in improved data accuracy and faster processing times.
- Created a master table by leveraging multiple tables and complex logic.
- Utilized Python, XML libraries, and Postgres.

SENIOR ASSOCIATE

Genpact

Mar 2016-Sep2021

- Led the migration of SAS code for 20+ clients to Python.
- Achieved significant cost savings and improved performance.
- Designed and developed custom Python code replicating the functionality of existing SAS code.
- Worked extensively as a data analyst for market research of retail clients.
- Analyzed large datasets to provide insights and recommendations to key stakeholders.
- Utilized tools and techniques including SQL, Excel, and statistical software.

LANGUAGES

- English
- Tamil
- Malayalam