MITCHELL MONTANIO
DATA ENGINEER

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WORK EXPERIENCE

FINRA | Dallas, TX
Jun 2024 - Present
Big Data Engineer
- Upgrade data pipelines using Python, XML, Jenkins, AWS EMR, shell scripts, JavaScript.
- Test code changes and pipeline upgrades with Activiti, shell scripts, API calls, AWS, Postman.
- Track and document changes and QA test results with Excel, Notepad++, Confluence, JIRA.
- Create custom scripts to improve documentation and efficiency of existing processes with Python.

Key Skills: Python, JavaScript, XML, ETL, AWS, Jenkins, Activiti, APIs, Shell Scripts, QA, Confluence, JIRA, documentation

Lumen | Dallas, TX
Aug 2023 - May 2024
Data Engineer II
- Optimized databases and queries to minimize cost and decrease data processing speeds.
- Acted as SME on existing and new data processes that provided $20+ million in company savings, annually.
- Automated analytics processes, saving time and ensuring reporting accuracy for stakeholders and analysts.
- Coordinated with data vendors to massively increase data robustness.

Key Skills: SQL, ETL, GCP, On-prem, Data Mining, Data Analysis, QA/UAT, Power BI, Looker, Oracle, Data Warehousing

Dentsu | New York, NY
Jan 2022 - Jun 2023
Data Engineer II
- Completed top-to-bottom data processing, including ETL, database management, dashboarding, and reporting on multi-billion dollar ad accounts for Macy's, McCormick, LVMH, Driven Brands, Intel, etc.
- Performed Data Quality audits and remediated issues to ensure 99.5%+ data accuracy and consistency.
- Migrated TB-scale Postgres databases to a Hive data warehouse, decreasing OpEx by 50%+ and increasing performance by over 75%.

Key Skills: Python, Docker, Git, ETL, DevOps, SQL, Airflow, AWS, QA/UAT, PostgreSQL, Hive, Tableau, Power BI, AWS Lambda, JIRA

IBM | Baton Rouge, LA
Jan 2021 - Jan 2022
Data Engineer
- Architected and built APIs, data pipelines, and databases.
- Migrated 10+ billion rows of historical data from Oracle and livestreamed TB-scale data to cloud databases to enable analytics.
- Worked within agile teams to maximize business value.

Key Skills: Python, ETL, DevOps, SQL, AWS, APIs, Oracle, Power BI

EDUCATION

LOUISIANA STATE UNIVERSITY
- Master of Science, Analytics
  - GPA: 4.0
- Bachelor of Science , Information Systems

SKILLS

Programming
SQL · Python · XML · Airflow · Activiti · Jenkins · Docker · Git · QA/UAT · CI/CD

Data and Analytics
ETL/ELT · Pipelines · Oracle · PostgreSQL · MySQL · SQL Server · AWS RDS · AWS Redshift · Hive · Data Analysis · Big Data · Dimensionality Reduction · Kafka · Data Cleaning · APIs · DynamoDB · Data Wrangling · Data Mining · Data Warehousing · Predictive Modeling · Forecasting · Machine Learning · Visualization · Tableau · Power BI · Looker · Storytelling · Presentations

Cloud
AWS · Azure · GCP · Private Cloud · Sharepoint

AWARDS
- IBM Eminence & Excellence Award
- IBM Service Excellence Award
- Omicron Delta Kappa Honor Society
- Phi Kappa Phi Honor Society

PROJECTS
- Member of the Board of Directors and Chairman of the website committee for the Southern Federation of Syrian Lebanese American Clubs.
- Created scripts for web scraping (slow) and using API calls (fast) to automatically pull daily rent data from the Village in Dallas, TX.
- Created a custom personal website for myself.