

Kirtan Shah

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PROFILE SUMMARY

- ◆ Data Engineer with 3+ years of experience developing ETL pipelines for both structured and unstructured datasets.
- ◆ Well-versed in database design & management (Azure & AWS) and building dashboards for data visualization.
- ◆ Built automated scripts to verify data quality with both incoming client data and user-generated data.

SKILLS

Programming Languages: SQL, Python, R, NoSQL, DAX, YAML and Markdown.

Databases & Libraries: Snowflake, AWS, Azure, MySQL, MongoDB, Pandas, NumPy, Selenium, Matplotlib, petl.

Softwares: CRAN, GitHub, Git, VS Code, MS Excel, Power Pivot, Google/Facebook/Adobe Analytics, Salesforce, SAP.

Domain Knowledge: Media/Marketing (Traditional & Digital), Financial Reporting & Analysis, Budgeting, Corporate Finance.

RELEVANT WORK EXPERIENCE

Data Engineer, Fusion Analytics

January 2020 – Present

- ◆ Built data pipelines & performed ETL using Python & SQL on over 500 million records of operational data from 10+ data sources while formalizing documentation and standardizing procedures.
- ◆ Developed an automated ETL pipeline that scrapes location-specific data every month from over 150 retailers' website using AJAX calls, Python's Selenium and BS4 libraries with checks to verify data quality and accuracy.
- ◆ Trained and led a team of two to manage ETL pipelines on a Snowflake data warehouse.
- ◆ Automated data upload and retrieval using Python and SQL to manage incoming data and create standardized views for data visualization and as inputs for a BI visualization tool (YellowFin).
- ◆ Maintained and improved an inventory ordering tool in R with an Excel visual interface that optimizes inventory allocation and ordering for over 50 stores of a \$100M+ retailer.
- ◆ Improved calculation times on a 1TB+ dataset from 24 hours to 30 minutes using Python by optimizing calculations.
- ◆ Developed algorithms in Python using Pandas and NumPy libraries to impute missing or incorrect data with over 5 million records for a unique real estate project in Canada.

Consultant/Data Analyst, Contracts

April 2016 – December 2019

- ◆ Executed SQL queries to verify data quality of incoming data by designing and implementing test case scenarios while maintaining a detailed log.
- ◆ Project Lead in automation of daily operational MIS (Management Information System) with a team of 18 across 8 branches countrywide; designed and implemented standardized processes with data quality and validation checks.
- ◆ Managed a team to design and develop a web-based expense management system that saved 150 monthly man-hours and generated instant single-click graphical reports with easy customizability for non-technical users.
- ◆ Implemented cross-training plan between 6 departments to identify growth opportunities and improved efficiency in vendor billing, increasing annualized EBIDTA by 9%.
- ◆ Business analyst for an Android application development project that logged attendance & live tracking of 1,500 vehicles and 100 personnel, resulting in more reliable data quality and availability for better decision making.
- ◆ Automated the process of updating monthly MIS (Management Information System) Reports from Financials, reducing the processing time by 80%.

EDUCATION

◆ **C.A. Final** - The Institute of Chartered Accountants of India

2009 - 2012

◆ **Bachelor of Commerce (B. Com)** - University of Mumbai

2008 - 2011