

Manu Agarwal

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SUMMARY

Experienced Data Engineer driving data-driven transformations with a proven track record in architecting end-to-end pipelines, ensuring regulatory compliance, and pioneering advanced algorithms for accurate insights.

WORK EXPERIENCE

Neiman Marcus Group

Business Intelligence Engineer, Lead

Remote, US

Nov 2023-Present

- Utilized **SQL, Snowflake and Qlik** to analyze large datasets for Late order analysis providing actionable insights to reduce the late orders by 20%
- Designed comprehensive business intelligence reports during peak season to monitor KPIs for order stages across online and stores reducing manual efforts by 25%
- Led a team of 3 data analysts to validate the data between the website and the database, deep diving the reasons and modifying the load scripts
- Developed **SQL Queries** for analyzing the correlation between backlog, new and shipped orders decreasing data validations and quality checks by 30%
- Analyzed Store- Wise Returns for online orders, forecasting trends over time, reducing the returns by 5%.
- Validated the load scripts over Snowflake maintaining data consistency between staging and production environments.

Dataseers Inc.

ETL Developer

Atlanta, GA

Sept 2021-Aug 2023

- Collaborated closely with cross-functional teams, including Product and Implementation, to grasp intricate business requirements. Translated these requirements into comprehensive end-to-end plans, providing clear timelines for seamless execution of new features and enhancements.
- Designed and implemented end-to-end **data pipelines** within the **HPCC** environment. Successfully orchestrated the loading of data onto **Kibana**, facilitating dynamic visualizations and subsequent client analysis.
- Crafted custom reports tailored to the unique needs of banking clients, ensuring the timely delivery of code of the highest quality.
- Pioneered a **Name Matching Algorithm** within HPCC, utilizing **Enterprise Control Language (ECL)**. Achieved an impressive **85% accuracy** in correcting misprinted merchant names, enhancing data accuracy and reliability.
- Designed ETL workflows for multiple clients, establishing and maintaining databases optimized for efficient reporting.
- Assumed responsibility for reviewing, deploying, and monitoring production code. Maintained meticulous documentation of code changes and bug fixes to ensure transparency and accountability.

Tata Consultancy Services

Data Engineer

Gurugram, India

June 2016- June 2019

- Developed an end-to-end data pipeline using Apache Sqoop and Apache Hive, processing 50 million banking transaction records from over 5 data sources.
- Led a team of 3 interns for automation of testing procedures using Test Driven Development, reducing manual efforts by 30% and increasing efficiency by 40%.
- Collaborated closely with clients to deeply comprehend their business objectives. This insight was translated into actionable **Jira** items, revolutionizing workflow efficiency and saving 10 hours of manual labor weekly.

EDUCATION

The University of Texas at Dallas, Texas

MS, Information Technology and Management

May 2021

GPA : 3.55/4

Vellore Institute Of Technology, India

Btech, Electronics & Communications Engineering

May 2016

GPA : 3.75/4

SKILLS & CERTIFICATIONS

Programming : Sql, Python, R, ECL

Tools & Software : Snowflake, Qlik, Hadoop, HPCC, Spark, Kibana, Tableau, AWS, Hive, Github, ELK

Databases : SQL Server

Technologies : Big Data, Fintech, Blockchain, Supply Chain

Certifications : MapR Certified Data Analyst