CHLOE MARTINEZ

Data Engineer | Big Data | Healthcare Analytics

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SUMMARY

With 5 years of dedicated experience in data engineering and mastery over Cloudera Bigdata Technologies, my contributions have significantly boosted data analysis and warehouse operations, particularly in the healthcare sector, leading to substantial improvements in data quality and processing efficiency.

EXPERIENCE

Data Warehouse Specialist

Cigna

📅 02/2022 - Present 📍 Houston, Texas

- Led a team in the migration of 10+ terabytes of PHI and PII data from Oracle databases to Hadoop clusters using Sqoop and Flume, enhancing data security and compliance.
- Developed and optimized over 500+ hive/impala queries, which improved reporting performance by 30%.
- Automated data workflows with Unix scripting, which increased department efficiency by 25%.
- Initiated a Waterfall to Agile transition for the data warehouse team, which cut down project delivery times by 20%.

Big Data Engineer

UnitedHealth Group

📅 01/2021 - 01/2022 📍 Houston, Texas

- Orchestrated the migration of 5+ terabytes of healthcare data to Cloudera's Hadoop platform, resulting in a 40% reduction in data processing time.
- Conducted in-depth analyses and enhancements of data warehouse environments that contributed to a 15% increase in data quality.
- Collaborated with cross-functional teams to design complex data models using Erwin, improving the scalability of data solutions.
- Enhanced data retrieval processes by crafting sophisticated Unix shell scripts, which boosted data accessibility for end-users.
- Implemented comprehensive backup and disaster recovery strategies, ensuring 99.9% data availability.

Data Analyst

Memorial Hermann Health System

📅 01/2020 - 12/2020 📍 Houston, Texas

- Analyzed and interpreted complex healthcare data sets, revealing insights that led to a 10% improvement in patient care services.
- Designed and executed data validation procedures, improving data accuracy by 95%.
- Collaborated on 3 major release cycles, utilizing Agile methodology to ensure timely and efficient data delivery.
- Contributed to a project that reduced data redundancies by 20%, increasing overall system performance.

EDUCATION

Master of Science in Data Analytics

Rice University

📅 01/2017 - 01/2019 📍 Houston, Texas

Bachelor of Science in Computer Science

University of Houston

📅 01/2013 - 01/2017 📍 Houston, Texas

PROJECTS

Healthcare Data Normalization Tool

Developed an open-source tool to standardize varying healthcare data formats, significantly improving data analysis efficiency. See the code at github.com/ChloeMartinez/HealthDataTool

Clinical Data Reporting Framework

Created a flexible reporting framework designed for healthcare institutions to derive actionable insights from clinical data. See more at github.com/ChloeMartinez/ClinicalDataFramework

SKILLS

Erwin Data Modeler **Hadoop**

Cloudera **Hive** **Impala**

Unix Commands

COURSES

Certified Cloudera Data Analyst

Intensive course covering data analysis techniques using Cloudera Hadoop components; provided by Cloudera.

Professional Oracle SQL Optimization

Focused on advanced Oracle database performance tuning and optimization; provided by Oracle University.