Ariya Melian

Data Engineer

👤 Profile

I am a data engineer with over 5 years of experience in the field. I have worked extensively with big data platforms such as Hadoop and Spark, and have also developed various ETL pipelines for different kinds of data sources. My strong technical skills coupled with my ability to communicate complex ideas clearly make me an ideal candidate for this position.

💼 Employment History

Senior Data Engineer at Amazon (Washington)

Apr 2022 - Present

- Successfully transformed data from multiple sources into a single cohesive dataset that could be used for analysis.
- Created scripts to automate the transformation and loading of data into the final dataset.
- Identified areas in which existing data processes could be improved, and implemented changes to improve efficiency.
- Wrote SQL queries to extract specific datasets from large databases for analysis.
- Performed exploratory data analyses to identify trends and patterns in the data.

Data Engineer at Google (California)

Sep 2017 - Mar 2022

- Successfully led the data engineering team in designing and building a scalable data pipeline to support the company's big data analytics project. The Edgar Online Data Pipeline was built using Python, MapReduce, Hadoop, Hive, Sqoop, Flume, Kafka and Spark.
- Collaborated with data scientists to develop algorithms for identifying key relationships between disparate sets of structured and unstructured data.
- Optimized hive queries that were taking longer than 2 minutes to process by breaking them down into smaller sub-queries which can run in parallel using map reduce framework . As a result , time taken per query reduced from 240 secs (4 mins)to 20 seconds .
- Implemented multiple features in near - realtime recommendation engine used by 500K+ users daily which increased CTR(Click Through Rate) by 15%.

🎓 Education

Bachelor of Science in Data Engineering at The University of Michigan

Sep 2013 - May 2017

I completed my Bachelor of Science in Data Engineering with a focus on data analytics and big data. I was also a member of the data science club and helped with numerous data projects.

Details

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Links

linkedin.com/in/ariyamelian

Skills

Data Integration

Data Modeling

ETL (Extract, Transform, Load)

SQL

NoSQL databases such as MongoDB or Cassandra.

Apache Hadoop and Spark.

Cloud computing platforms such as Amazon Web Services (AWS), Microsoft Azure, or Google Cloud Platform

Languages

Urdu