

# Data Engineer

Impact Research, LLC  
Columbia, Maryland 21044

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## About the Job

Impact Research is looking for a talented data engineer to join our growing company. In this role, you will be responsible for the data collection pipeline, including collecting, storing, and transforming data in collaboration with our data science team. You will choose, implement, and maintain solutions for the data, and troubleshoot the problems that come with scale, speed, and adapting to changes in the data pipeline.

## About the Company

Impact Research is a small business located in Columbia, Maryland that specializes in transportation research and data analysis. We develop and maintain data driven applications and pipelines to support safety insights regarding vehicle performance and real time decision making using field data. Our partners include a number of global automotive manufacturers, Tier 1 suppliers and governmental agencies responsible for motor vehicle safety in the US. We are a highly motivated company working on impactful projects in the automotive and highway safety industry.

## Responsibilities

- Selecting and integrating any tools and frameworks required to provide requested capabilities
- Implementing and maintaining Extract, Transform and Load (ETL) process
- Monitoring ETL and data performance and any necessary infrastructure changes
- Defining and enforcing data retention policies

## Basic Qualifications

- Education: Bachelor's degree in Computer Science, Software Engineering, a related field or equivalent experience
- Minimum 4 years of experience working with relational databases such as PostgreSQL or MySQL
- Minimum 4 years of experience working in Linux/Unix environment, including Bash scripting
- Minimum 4 years of experience programming in languages such as Java, Python or TypeScript

## Desired Qualifications

- Proficient understanding of distributed computing principles
- Experience working with ETL techniques and frameworks such as Apache Flume, Airflow, Sqoop, Twister or Nifi
- Ability to troubleshoot ETL technologies or database scripts
- Experience with integration of data from multiple data sources
- Experience with container systems such as Docker
- Experience with NoSQL databases such as DynamoDB, MongoDB or Cassandra
- Experience working within the AWS eco-system such as Fargate, S3, and others

The interview process will involve a skills and understanding assessment.

Salary commensurate.

For more information, email or call: [contact@impactresearchinc.com](mailto:contact@impactresearchinc.com), Phone: (410) 988-4107