

# Data Engineering projects - 1

- Banking
  1. Project for a big Canadian bank to hold 10 years of data for 4 detps
    - Solution designing for transactional data to Hadoop lake
    - Import of data using SQOOP & processing using Spark with Scala
    - Export of data to traditional databases for reports/visualizations
  2. Project to generate fees, taxes, charges etc. for various use cases like loans, fund transfers, cash withdrawals, etc.
    - Load data from RDBMS into Spark Data frames
    - Use of Spark UDFs to generate the end data, export to RDBMS

# Data Engineering projects - 2

- Airline
- Project for an airliner to consolidate data post mergers
  - Facilitate intersegment claim processing module
  - Pushing data (SQOOP) from MySQL server to Hive analytical warehouse
  - Optimization of Hive queries
  - Cleaning unstructured data using Spark & Scala
- Supply chain
- Project for a data mart to set up warehouse
  - Support broader set of analytical records from various sources
  - Validate, reformat data records from legacy app
  - Load into Data Ware House (using SSIL)
- Telecom Log Analysis
  - ETL Pipeline design, storage & Analysis (of alarms & events)
  - ADF, Bricks & Synapse, Blob storage