

Client Name

Contact details

Summary of Qualifications

I am a Data Engineer who leads teams of data analysts and database developers to implement self-service solutions to data issues, enabling users to make faster, better-informed decisions. As Senior Manager of Business Intelligence, I drive BI strategy and architecture, designing datasets and creating reporting that deliver valuable insights regarding consumer behaviors and business performance. I am the subject matter expert within our business on all data-related issues and systems. My mission is to use the power of data to tell valuable stories that inform decision-making and drive business success.

Selected Accomplishments

- Led data governance initiatives:
 - catalogued metadata within universal catalog, providing insight into data availability & lineage throughout the business
 - established policy-based data access controls that enhanced data security
 - built enterprise tables for analytics teams without identifiable customer information
 - setup user group-based access controls on Tableau server
 - automated quality checks on critical data elements in core tables
- Built complex data analytic process in-house to avoid costly outsourcing in respond to compliance initiative
- Project-managed initiative to eliminate >\$1M Datameer licensing fees by migrating data sets to Spark-based Canvas tool, resulting in faster speed & better integration with ETL processing & Tableau reporting
- Built enhancements to provide data regarding performance in providing services to leading automotive manufacturers
- Recognized 3 consecutive years by Scotiabank as *Best of the Best*
- Led Agile team on multi-year project to build Hive ETL application (datamart) & data ingestion process to consolidate customer & productivity data from multiple source systems, processing millions of records daily
- Developed Tableau reporting for clients that provided data insights into customer demographics, dealership statistics, portfolio growth & loan maturities
- Co-authored “A concise, approximate representation of a collection of loads described by polytopes,” & “An outer approximation of the Minkowski sum of convex conic sets with application to demand response”
- Designed dataset & Tableau reporting to provide sales team access to data in one place, identify outliers & improve performance, then migrated to new ETL tool while developing concept to repurpose for fraud analysis & market share prediction
- Mentored direct reports, 3 of whom were promoted from senior analyst to manager roles

Professional Experience

Company nam

2017 - present

Senior Manager, Business Intelligence & Information Systems

(promoted twice to positions of increasing scope & responsibility)

- Manage 4 direct reports: Tableau developers, SQL developer, & reporting manager, as well as 2 indirect reports (analysts), in addition to dotted line oversight of IT department
- Deliver ad-hoc reporting to senior management using visualization tools or ad-hoc SQL queries

(Senior Manager, Business Intelligence & Information Systems, cont.)

- Direct data governance initiatives around data quality, data security; access control & metadata documentation
- Design enhancements to datamart to customize & facilitate reporting
- Establish KPIs to monitor productivity within WFH environments & align resources with SLA commitments

Manager, Integrated Systems Solutions

- Recruited & trained 2 data engineers
- Developed solutions to manage business reference data & integrate with datamart collaborating with IT developer to build functionality to resolve data governance protocols
- Enhanced datamart to fulfill business processes & adapt to specific needs of loan officers
- Built databases and operational processes to implement business functions for billing and invoicing to clients (150,000+ deals, \$300 Million in annual revenue)
- Organized multiple trainings on ETL application for production support personnel

Hadoop / Hive Database Developer

- Led cross-functional Agile team of developers, data analysts, QA & data modelers to build a datamart ETL application
- Wrote functions for financial loan calculations
- Improved code to obtain a 2x speedup in ETL execution

Programming Languages

Java; Python; SQL

Software

Tableau; MS Office: Word, PowerPoint, expert-level Excel, Access; Datameer; Hadoop / HDFS;; Python; Power BI

Education

University of Toronto

PhD, Electrical Engineering

University of Illinois at Urbana-Champaign

MSc, Natural Resources & Environmental Sciences

MSc, Electrical Engineering

BSc, Electrical Engineering