

Professional Summary

- 9+ years of IT experience in Data Analysis, ETL Development, Data Modelling, Data Profiling, Data Migration, Data Mapping, Data Conversion, Data Quality, Data Integration and Metadata Management Services, Project Management and Configuration Management.
- Excellent in Business Process and experienced in Finance and Banking domains.
- Expertise in Data Modelling specifically in creating Star & Snow-Flake Schemas, FACT And Dimensions Tables, Physical and Logical Data Modelling using Erwin and Embarcadero.
- Excellent knowledge in Database Creation and maintenance of physical data models with Oracle, Teradata, Netezza, DB2 and SQL Server databases.
- Extensive Experience in working with Teradata as the target for the data marts also worked with BTEQ, Fast Load and Multiload.
- Well versed in system analysis, ER/Dimensional Modelling, Database design and implementing RDBMS specific features.
- Extensive experience in developing Top-down Approach/Bottom-up Approach of Data warehouses as well as in developing Data marts, data mining, data mapping, OLTP and OLAP process etc.
- Strong experience in the Anti-Money Laundering domain well versed with AML regulations and regulatory procedures.
- Highly experienced in all aspects of Know your customer KYC, Customer Due Diligence, Behaviour Detection.
- Experience working with Financial Banking systems dealing in Mortgages, Collateral Management, Consumer Banking, Trading, Market and Reference Data.
- Expert in Data Integrity constraints, Performance Tuning, Repairing dead locks, Query Optimization and Validation issues.
- Experienced in CCAR Regulatory Reporting and CCAR Stress Testing for Banking Balance Sheet Asset management.
- Responsible for technical data analysis, interpretation of client data and the development of conversion programs specific for bank applications and application to the general ledger.
- Knowledge and clear conceptual understanding of Investment Banking industry including Fixed Income, Bonds and Bond Trading Cycle, Bond Pricing, Equities, Trade Cycle, Derivatives Options, Futures, Swaps and Portfolio Management.
- Experience in Banking and Financial services projects involving card services, consumer banking, business banking, wealth management, auto loans, student loans and capital markets.
- Good Knowledge of various financial products like Stocks, Bonds, Mortgage-Backed Securities (MBS), Collateral Mortgage Obligation (CMO), Assets, Mutual funds and Fixed Income Instruments.
- Strong in the ETL (Extract, Transform and Load) tool SSIS/Informatica to extract data into a data ware house/data mart and Business Intelligence (BI) tools like COGNOS/ Business Objects Modules (Reporter, Supervisor, Designer, and Web Intelligence).
- Experienced in working with enterprise data modelling and analytics (SSRS, SSAS, SSIS, ETL, MDM, Entity Data Models and data warehousing) incorporating transaction-oriented business/service level data processes and metadata collection techniques to enhance informatics strategies.

- Expert in Creating Views, Stores Procedures, DDL/DML Trigger sand User-Defined functions to implement Business Logic and Data Protection.
- Experienced in SQL and good knowledge in PL/SQL programming and developed Stored Procedures and Triggers and Data Stage, DB2, UNIX, Cognos, MDM, UNIX, Hadoop, Hive, Pig
- Highly proficient in the use of T-SQL for ddeveloping complex stored procedures, triggers, tables, user functions, user profiles, relational database models and data integrity, SQL joins and query writing.
- Expert in Data Warehousing techniques for Data Cleansing, Slowly Changing Dimension phenomenon (SCD), surrogate key assignment and CDC (Change Data Capture). Implemented Metadata Data Management Services.
- Strong working experience in using Business Intelligence tools like Business Objects, Cognos and OBIEE.
- Expertise in broad range of technologies, including business process tools such as Microsoft Project, Primavera, MS Access, MS Visio, technical assessment tools, Data Warehousing concepts and web design and development.
- Good understanding of Real time analytics in Credit Risk domain using R, SAS, SQL, Tableau.
- Possessed strong Documentation skills and knowledge sharing among team, conducted data modelling review sessions for different user groups, participated in sessions to identify requirement feasibility.
- Proficient in testing the complex COGNOS reports developed, supporting the Testing Team, writing the Test cases and creating the Test Data.

WORK EXPERIENCE

Data Analyst

Goldman Sachs - NY - New York

Jul 2021 – Present

Responsibilities:

- Worked on Requirement Analysis, Data Analysis and Gap Analysis of various source systems sitting and coming from multi systems.
- Developed Data Migration and Cleansing rules for the Integration Architecture (OLTP, ODS, DW).
- Designed reports in Access, Excel using advanced functions not limited to VLOOKUP, pivot tables, formulas.
- Evaluated data mining request requirements and help develop the queries for the requests.
- Worked on Data Extraction from Teradata and Flat Files using SQL assistant.
- Implemented Actimize Anti-Money Laundering (AML) system to monitor suspicious transactions and enhance regulatory compliance and Involved in Security testing for different LDAP roles.
- Worked on SOX Compliances and Basel II standards. Worked on data analysis of Mantas - Anti-Money Laundering (AML) Compliance data and supported user requirements.
- Interacted with Cash Management Division and Compliance Office to review the AML (Anti Money Laundering) requirements and provide Positive Pay service to reduce check fraud.
- Incorporated interest rate data for CCAR (Comprehensive Capital Analysis & Review) reporting.
- Implemented aggregation logic to integrate IRRM data due to data granularity differences with CCAR.
- Executed the flows and Loading data to Netezza Data mart through NZLOAD utility.
- Tested the ETL data movement from Oracle Data mart to Netezza Data mart on an Incremental and full load basis.
- Wrote XSLT scripts for various XML needs and used XPath, XQuery for data retrieval from XML documents.

- Used SQL, PL/SQL to validate the Data going in to the Data Ware House.
- Involved in Designing Star Schema, Creating Fact tables, Dimension tables and defining the relationship between them.
- Worked alongside team working on creating and schedule big data workflows in Spark, MapReduce, Pig scripts.
- Tested the ETL Informatica mappings and other ETL Processes (Data Warehouse Testing)
- Verified and maintained Data Quality, Integrity, data completeness, ETL rules, business logic.
- Tested several UNIX Korn Shell scripts for ETL data loading
- Verified Informatica sessions, worklets and workflows in QA repository.
- Extensively used SQL queries to check storage and accuracy of data in database tables.
- Performed all aspects of verification, validation including functional, structural, regression, load and system testing.
- Performed backend testing for the front end of the application using SQL Queries in Teradata data base.
- Creating complex data analysis queries to troubleshoot issues reported by users.
- Worked on building load rules and transformation logic for Extraction, Transformation and Loading (ETL) of the data into the data warehouse.
- Wrote PL/SQL Stored Procedures, Functions, Cursors, Triggers, Packages and SQL queries using join conditions in UNIX environment.
- Tested different detail, summary reports and on demand reports using Report Studio.
- Conducted UAT (User Acceptance Testing) for multiple iterations by writing Test Cases and signed off the same after approval.
- Tested and Automated SAS jobs running on a daily, weekly and monthly basis using Unix Shell Scripting.
- Worked on a Map Hadoop platform to implement Bigdata solutions using Hive, MapReduce, shell scripting and Pig.
- Worked on Data from Sybase IQ to Netezza and make Code changes for the compatibility with Netezza.
- Tested whether the reports developed in Cognos are as per company standards.
- Reported bugs and tracked defects using Quality Centre 10.
- Experienced in working with DB2, Teradata
- Worked with business team to test the reports developed in Cognos.
- Personalized Cognos Connection for specified display options for testing regional options and personal Information; Also written several complex SQL queries for validating Cognos Reports.

Data Analyt

Truist Financial – Charlotte - NC

April 2019 – June 2021

Responsibilities:

- Maintained the Erwin model repository and Created DDL in development environments on database objects.
- Created Use Case Diagrams, Data Flow Diagrams, Data mapping, Data Lineage mapping, Sequence Diagrams, ODD and ER Diagrams in MS Visio.
- Developed data models, data dictionaries, CRUD matrix in SAP HANA, database schemas like star schema and snowflake schema used in dimensional and multidimensional databases [OLAP].
- Worked on Logical & Physical Data Modelling. Database Schema design and modification of Triggers, Scripts, Stored Procedures in Sybase Database Servers.
- Worked on the ETL mappings, analysis and documentation of OLAP reports requirements.

- Planned and defined system requirements to Use Case Scenario and Use Case Narrative using the UML methodologies.
- Performed documentation such as Regulatory Reporting FR Y-14A/Q, FR Y9, FFIEC 041, FFIEC 031 reports and Dodd Frank (Dodd-Frank Act Stress Test).
- Worked on Risk Control, DFAST (Dodd Frank), CCAR and other regulatory reporting process.
- Support listed/OTC derivatives and Hedges trade capture or trade ordering requirements for system and developed internal control procedures to satisfy SOX requirements.
- Reviewed Risk Exposure calculation for key metrics for different Lob's like Card Auto and Loss forecasting for Basel, CCAR and Draft Requirements. Defined and established attribution analysis for analysing the changes in forecasted RWA changes with respects major Risk factor.
- Collaborated in the implementation of a risk management framework to ensure corporate functions are following the Federal Reserve's Comprehensive Capital Analysis Review (CCAR) regulatory requirements.
- Worked on brokerage environments (Equity, Fixed income, FX, Derivatives, Securities, Commodity trading, Mutual Funds, Options, Swaps, Asset Backed Securities, SWIFT Messaging Hedge Funds).
- Execute multiple listed equity cash trading strategies that include volume-weighted and time-weighted average.
- Interacted with Business owners to understand the current process and to provide suggestions to optimize using Autopsy and Data stage.
- Validated Loss Data for external reporting (ORX, ABA, CCAR) also Conduct stress tests on retained portfolio including CCAR, Dodd-Frank and Recent Experience stress tests.
- Developed and maintain sales reporting using in MS Excel queries, SQL in Teradata, and MS Access. Produced performance reports and implement changes for improved reporting.
- Performed backend testing using SQL queries and analysed the server performance on UNIX.
- Developed several detail and summary reports including line and pie charts, trend analysis reports and sub-reports according to business requirements using SQL Server Reporting Services (SSRS).
- Loaded staging tables on Teradata and further loading target tables on SQL server via DTS transformation Package.
- Analysed the source data, coordinated with Data Warehouse team in developing Relational Model. Performed Data Analysis and Data validation by writing complex SQL queries using TOAD and SAS against the ORACLE database.
- Assisted solution architects to develop technology solutions for the wealth management application and asset classes including Fixed Income, Equities, Commodities and Global Capital Markets.
- Teamed-up with SME's and Wealth Managers to ensure the compliance of proposed processes with Anti-Money Laundering (AML) laws and regulations, Know Your Customer (KYC) guidelines and Customer Identification Process (CIP).
- Performed Data Analysis and Data validation on SCD2 and fact tables by writing complex SQL queries against the Oracle database.
- Analysed the existing Wealth Management platform and provided recommendations to optimize the data flow.
- Implemented solutions for ingesting data from various sources and processing the Data utilizing Big Data Technologies such as Hive, Pig, Sqoop, HBase, Map reduce, etc.
- Reviewed Stored Procedures for reports and wrote test queries against the source system (SQL Server-SSRS) to match the results with the actual report against the Data mart (Oracle).
- Loaded external data into TADDM from Discovery Library Bookstand generated custom Cognos reports.

- Prepared the IBM Tivoli Monitoring infrastructure for TADDM discovery.
- Developed ETL solutions using Coverlet, R, and Python to process client data.
- Supported existing Sales Reporting Data Warehouse built upon Oracle using PL/SQL for ETL and reporting.
- Worked with upstream and downstream applications to ensure incoming data feeds are complete and successful as well as outgoing data feeds.

Data Analyst

KeyBank – Cleveland - OH

Oct 2017 - March 2019

Responsibilities:

- Analysed the client data and business terms from a data quality and integrity perspective.
- Performed root cause analysis on smaller self-contained data analysis tasks that are related to assigned data processes.
- Worked to ensure high levels of data consistency between diverse source systems including flat files, XML and SQL Database.
- Developed and run ad hoc data queries from multiple database types to identify system of records, data inconsistencies, and data quality issues.
- Translated the business requirements into data requirements across different systems.
- Worked on understanding the customer needs with regards to data, documenting requirements, developing complex SQL statements to extract the data and packaging/encrypting data for delivery to customers.
- Wrote SQL Stored Procedures and Views, and coordinate and perform in-depth testing of new and existing systems.
- Provided support to Data Architect and Data Modeler in Designing and Implementing Databases for MDM using ERWIN Data Modeler Tool and MS Access.
- Worked with Data Modelling team to create Logical/Physical models for Enterprise Data Warehouse.
- Reviewed normalized/Denormalization schemas for effective and optimum performance tuning queries and data validations in OLTP and OLAP environments.
- Identified the database tables for defining the queries for the reports using SSRS.
- Exploited power of Teradata to solve complex business problems by data analysis on a large set of data.
- Built Fast Load and Fast Export scripts to load data into Teradata and extract data from Teradata.
- Worked on data analysis using SQL, T-SQL and many other queries-based applications.
- Used Teradata advanced techniques like OLAP functions CSUM, MAVG, MSUM MDIFF etc.
- Developed Reports using the Teradata advanced techniques like Rank, Row number and etc.
- Developed data mapping documents between Legacy, Production, and User Interface Systems.
- Documented data content, data relationships and structure, and processes the data using Informatica Power Centre Metadata Exchange.
- Transferred data objects and queries from MS Access to SQL Server.
- Assisted ETL team to define Source to Target Mappings.
- Worked with Data Architect in Designing the CIM Model for Master Data Management.
- Compile and Generate Reports in a Presentable Format to the Project Team.

Data Analyst

M&T Bank – Buffalo – NY

Jan 2016 – Sep 2017

RESPONSIBILITIES:

- Collaborated with cross-functional team in support of business case development and identifying modelling method(s) to provide business solutions.

- Determined the appropriate statistical and analytical methodologies to solve business problems within specific areas of expertise.
- Build the models and solved complex business problems where analyses of situations and/or data require in-depth evaluation of variable factors.
- Generated Data Models using Erwin9.6 and developed relational database system and involved in Logical modelling using the Dimensional Modelling techniques such as Star Schema and Snow Flake Schema.
- Worked on documenting the data governance framework including processes for governing the identification, collection, and use of data to assure accuracy and validity.
- Worked on loading the data from the flat files submitted by vendors into the Oracle12c External tables, extensively used ETL to load data from Oracle database, XML files, and Flat files data and also used import data from IBM Mainframes.
- Used Pivot tables, VLOOKUP's and conditional formatting to verify data uploaded to proprietary database and online reporting.
- Created MDM, data architecture, analytical data marts, and cubes optimized for reporting.
- Coordinated with Data Architects and Data Modelers to create new schemas and view in Netezza for to improve reports execution time, worked on creating optimized Data-Mart reports.
- Used both Kimball and Bill Inmon methodologies for creating data warehouse and transformed data from different OLTP systems.
- Independently worked on owning IT support tasks related to Tableau Reports on Server.
- Primary subject matter expert in implementing Oracle's self-service OBIEE reporting system. This system allows for real-time data to be accessible at all HR locations throughout the company.
- Evaluate, Identify and solve process system issues by utilizing business analysis, design best practices and recommended enterprise and Tableau solutions.
- Used advanced functions like VLOOKUP's, Pivots, graphs, and analytical and statistical tool packs in Excel.
- Worked on the Normalization and De-Normalization of existing tables for faster query retrieval.
- Tested Complex ETL Mappings and Sessions based on business user requirements and business rules to load data from source flat files and RDBMS tables to target tables.
- Extensively used SQL Server2014 tools to develop Oracle stored packages, functions and procedures for Oracle database back-end validations and Web application development.
- Performed analyses such as regression analysis, logistic regression, discriminant analysis, cluster analysis using SAS programming.

Data Analyst

Discover Financial – Riverwood – IL

Aug 2014 – Dec 2015

Responsibilities:

- Gathered requirements to customize ATG provided solutions, services, and ongoing guidance to power a more relevant and personal e-commerce.
- Worked on designing and developing Data Models and Data Marts that support the Business Intelligence Data Warehouse.
- Utilized corporation and developed Agile SDLC methodology by using Scrum Work Pro and Microsoft Office software to perform required job functions.
- Executed ETL operations for Business Intelligence reporting solutions using Excel.
- Using Shared Containers and creating reusable components for local and shared use in the ETL process.

- Developed and maintain sales reporting using in MS Excel queries, SQL in MS Access. Produced performance reports and implement changes for improved reporting.
- Designed Excel templates, created Pivot Tables and utilized VLOOKUP's with complex formulas.
- Provided weekly, monthly & ad hoc web analytics reports using Adobe Site Catalyst & Google Analytics.
- Analysed, evaluated, and compared website analytics packages to create a gap analysis and action plan for IT department's migration process from Site Catalyst (Adobe Analytics) and Google Analytics.
- Worked on Tableau for data visualization using Cross Map, Scatter Plots, Geographic Map, Pie Charts and Bar Charts, Page Trails, and Density Chart.
- Evaluate, identify, and solve process and system issues utilizing business analysis, design best practices and recommended enterprise and Tableau solutions.
- Substantial report development experience utilizing SQL Server Reporting Services (SSRS), Cognos Impromptu, and Microsoft Excel
- Wrote PL/SQL procedures for processing business logic in the database. Tuning of SQL queries for better performance.
- Utilized complex Excel functions such as pivot tables and VLOOKUP's to manage large data sets and make information readable for other teams.
- Developed SQL-based data warehouse environments and created multiple custom database applications for data archiving, analysis, and reporting purposes.
- Data mapping, logical data modelling, created class diagrams and ER diagrams and used SQL queries to filter data within the Oracle database.
- Worked in creating dashboard analysis using Tableau Desktop, including information of car rental records, analysis covered customers, days of rental, service region, travel type and etc.
- Performed extensive requirement analysis including Data analysis and Gap analysis.
- Analysed business requirements and segregated them into high level and low-level Use Cases, activity diagrams using Rational Rose according to UML methodology thus defining the Data Process Models.
- Used extracts to better analyse the data, extracted data source was stored in Tableau Server, updated on a daily basis.
- Designed and implemented basic SQL queries for QA Testing and Report / Data Validation.