**Senior Data Analyst/Engineer**

**Yethisha G**

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**Education: Bachelors in Technology - JNTUK 2014 (Computer science Engineering)**

**Professional Summary:**

* Over 9+years of years of experience in Data analysis, software development, and design using Python, Spyder, Django, and Data Analytics using Python/R/SQL/Power BI/Tableau.
* Overseen data governance practices within the QNXT system, ensuring data accuracy, integrity, and compliance with regulatory standards.
* Experience in Software Development Life Cycle (SDLC), RDBMS, and Data Warehouse & Data Modeling concepts.
* Developed and implement strategies for data cleansing, normalization, and optimization.Data Analyst with high proficiency in requirement gathering and data modeling.
* Expertise in Relational Database Management Systems, Tableau, Looker, AWS cloud computing, Microsoft Azure Cloud, Hadoop, and Spark. .
* Experience in using cloud components and connectors to make API calls for accessing data from cloud storage Amazon S3 in Talend open Studio.
* Used SSRS to create and manage a wide variety of different types of reports and deliver them in a range of formats.
* Extensive experience in SAS/Base, SAS/Stat, SAS/Macros, SAS/SQL, SAS/ODS, SAS/Graph, SAS/Connect, SAS/Access, SAS/EG.
* Experience in Designing and deploying AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, and Auto-scaling groups.
* Experience working with Agile and Waterfall data modeling methodologies.
* Spearheaded the mapping and integration of SNOMED CT codes with existing healthcare databases, facilitating seamless interoperability between different systems. Ensured consistency and standardization in medical coding, enhancing data quality, and reducing errors.
* Implemented automated unit testing frameworks within the ETL process, significantly reducing the time required for regression testing and ensuring consistent test coverage.
* Experience working on Guidewire Claim Center, Policy Center and Billing Center
* Extensive experience in using ER modeling tools such as Erwin and ER/Studio, Teradata, BTEQ and MDM.
* Demonstrated experience in Data Governance Methodologies.
* Designed and executed comprehensive source-to-target data mapping for ETL processes, ensuring accurate data migration across systems.
* Created Talend ETL jobs to receive attachment files from pop e - mail using tPop, tFileList and tFileInputMail and then loaded data from attachments into database and achieved the files.
* Expertise on Relational Data modeling (3NF) and Dimensional data modeling.
* Analyzed large datasets using Hadoop, leveraging HDFS and MapReduce to perform complex data transformations.
* Proficient in Jira, SharePoint, Teams, Alteryx, SSIS, SSRS, SSMS, Squirrel, SQL Server, Tableau, Semarchy, Git & GitHub
* Interpreted and communicate findings to both technical and non-technical teams in a clear and concise manner.
* Experience in designing, developing, testing, and maintaining BI applications and ETL applications.
* Configured and managed SnowPipe for continuous data ingestion into Snowflake, ensuring real-time data availability.
* Worked on the Guidewire Policy Center 8.0, Billing Center 7.0, Claims Center 8.x/7.x.
* Proficient in using T-SQL for developing complex Stored Procedures, Triggers, Tables, Views, User Functions, User profiles, Relational Database Models and Data Integrity, SQL joins and Query Writing.
* Creating Indexes, Indexed Views in observing Data Quality Rules and creating effective Functions and appropriate Triggers to assist efficient data manipulation and data consistency.
* Designed SSIS workflows to handle complex data transformations, ensuring data consistency and accuracy.
* Utilized ICD-9 and ICD-10 codes to perform data analysis and generate meaningful insights that contributed to informed decision-making by medical practitioners and healthcare administrators.
* Experience in Data Lineage using Excel and Collibra.
* Developed and executed SnowSQL scripts to query and manipulate data within Snowflake, optimizing for performance and scalability.
* Utilized Google Cloud Platform (GCP) services such as BigQuery, Cloud Storage, and Dataflow to develop and deploy scalable data solutions.
* QNXT (verified version 5.8 or greater) was extensively used in managing provider-centric health plans, controlling claims, enrollment, provider networks, and reporting features.
* Collaborated closely with business stakeholders to identify opportunities for leveraging data to drive strategic initiatives and improve operational performance.
* Provided recommendations based on data-driven insights to support Data Quality goals and objectives.
* Proficiently translated business requirements into comprehensive BRDs, capturing stakeholders' needs and objectives accurately.
* Managed the creation of detailed test plans and scripts for functional testing, ensuring that ETL processes meet business requirements and data accuracy standards.
* Developed complex SQL queries and stored procedures in Teradata to extract, transform, and load data for analysis.
* Proficiently configured and administered Microsoft Team Foundation Server (TFS) to support comprehensive tracking of requirements, work items, bugs, deliverables, and builds.
* Successfully performed end-to-end data mapping across diverse systems, ensuring seamless data integration and accurate information flow.
* Involved in massive data profiling using IDQ (Analyst tool) prior to data staging.
* Worked with Informatica Data Quality toolkit, Analysis, data cleansing, data matching, data conversion, exception handling, and reporting and monitoring capabilities of IDQ 8.6.1.
* Analyzed data workflows and processes to identify opportunities for optimization and efficiency enhancement.
* Demonstrated mastery of SQL, effectively querying, and manipulating large datasets to extract actionable insights. Employed complex SQL queries, joins, and aggregations to retrieve and transform data from diverse sources.
* Utilized SQL to extract raw data from databases, performed data cleaning, transformation, and normalization processes. Translated complex Data Quality requirements into efficient SQL queries to ensure data accuracy and relevance.
* Leveraged Power BI to create insightful and interactive visualizations that translate complex healthcare data into actionable insights.
* Extended knowledge of using VB.net and VBScript for data manipulation.
* Developed dashboards that showcased key performance indicators (KPIs), patient outcomes, and operational trends for informed decision-making.
* Utilized Power BI's advanced analytics capabilities, such as DAX (Data Analysis Expressions) language, to perform complex calculations, trend analysis, and forecasting.

**Technical Skills:**

* **Databases:** Teradata R12, R13, R14.10, MS SQL Server, DB2, Netezza, AWS RDS, Oracle, MySQL
* **Programming Languages:** C, Visual Basic, C++, VB 6.0, SQL, Hadoop (Hive, Pig), Python, R
* **Cloud Technologies:** AWS (EC2, S3), Azure
* **Scripting Languages:** MS-DOS, Bash, Korn
* **Software:** Microsoft Office365, Active Directory,
* **ETL Tools:** Informatica PowerCenter, SSIS, Ab Initio
* **Data Modeling:** Sybase Power Designer, IBM Data Architect
* **BI and Reporting Tools:** Business Objects, Cognos, SSRS, and Crystal Reports
* **Visualization Tools:** Tableau Desktop, Power BI, Python (Pandas, NumPy, Datorama)
* **ETL/Tracking Tools:** Informatica, SSAS, SSRS, and JIRA
* **Database Development:** T-SQL, SA, and Microsoft Hyper-V Servers
* **Testing and Defect Tracking Tools:** HP/Mercury (Quality Centre, Win Runner, Quick Test Professional, Performance Centre), Requisite, MS Visio, Visual Source Safe
* **Operating Systems:** Windows, UNIX, and Sun Solaris

**Work Experience:**

**Walgreens, Wayne, MI May 2022 to Pres**

**Senior Data Analyst**

**Project description:**

I led the analysis of client specifications, developing detailed reports and dashboards using ERP data. Designed and maintained ETL processes, ensuring optimal performance and data integrity. Conducted regular audits to reconcile workforce data, implementing end-to-end data pipelines on AWS for automation. Provided prompt end-user support, resolving BI tool-related issues and troubleshooting data migration in Oracle EBS. Utilized cloud technologies like Azure Data Lake and AWS Glue for scalable solutions, while ensuring data security and compliance. Agile methodologies facilitated collaboration, while rigorous testing ensured quality assurance throughout the project lifecycle."

**Responsibilities:**

* Generate regular reports and dashboards for stakeholders using ERP data.
* Created Dashboard Reports using Power BI, Cognos and Tableau.
* Implemented Exception Handling Mappings by using Data Quality, data validation by using Informatica Analyst.
* Created documentation and provided training sessions for end-users on accessing and leveraging OLTP data within the data warehouse for reporting and analysis purposes.
* Developed and deployed SSIS packages to automate the extraction, transformation, and loading of data from multiple sources.
* Utilized data profiling techniques to validate source data before mapping to target systems, enhancing data quality.
* Analyzed client specifications and developed detailed reports and dashboards using ERP data.
* Conducted data modeling JAD sessions and communicated data related standards.
* Designed and maintained ETL processes using SSIS, ensuring optimal performance and data integrity.
* Involved in migration projects to migrate data from data warehouses on Oracle/DB2 and migrated those to Teradata.
* Created SAS dataset from tables in Database using SAS/Access and Retrieved the Sales data from flat files, oracle database and converted to SAS datasets for Analysis using SAS/Stat procedures.
* Created and maintained SnowSQL scripts for data extraction, transformation, and loading (ETL) tasks, ensuring data consistency.
* Created technical document for ETL process and Design documents for each module. Designed, Developed and Supported Extraction, Transformation and Load Process (ETL) for data migration.
* Optimized Teradata database performance through indexing, partitioning, and query tuning techniques.
* Developed and optimized Hive queries for data extraction, aggregation, and analysis within the Hadoop ecosystem.
* Designed and implemented end-to-end data pipelines on AWS, leveraging services like AWS Step Functions and AWS Lambda to automate data workflows, ensuring efficiency and accuracy in data processing.
* Developed and maintained a structured work item management process within TFS, enabling efficient collaboration among team members and tracking task progress.
* Conducted stress testing of ETL workflows under peak loads, identifying and resolving performance degradation issues before they impacted production environments.
* Designed and Implemented the ETL process using Talend Enterprise Big Data Edition to load the data from Source to Target Database.
* Participate in the development of Guidewire Billing Center, Billing Center-Policy Center User Stories.
* Developed and implemented data pipelines using SnowPipe, automating the loading of semi-structured data (e.g., JSON, Parquet) into Snowflake.
* Designed the data marts using the Ralph Kimball's Dimensional Data modeling methodology using Erwin.
* Designed and implemented data pipelines on GCP using Cloud Dataflow and Apache Beam real-time data processing.
* Troubleshoot and resolve issues related to data migration in the Oracle EBS environment.
* Collaborate with cross-functional teams to understand business requirements and translate them into effective data migration strategies within Oracle EBS.
* Involved in Data Extraction from Flat files and XML files using Talend by using Java as Backend Language.
* Using Talend to load the data into our warehouse systems
* Spearheaded the design and implementation of scalable data processing solutions using GCP BigQuery, optimizing query performance and reducing data processing times by 25%.
* Responsible for building scalable distributed data solutions using Azure Data Lake, Azure Databricks. goverzamu HD Insight &amp; Azure Cosmos DB.
* Build a program with Python and apache beam and execute it in cloud Dataflow to run Data validation between raw source file and BigQuery tables.
* Used Alteryx to perform data blending, created workflows to process data, and integrated with Tableau.
* Worked with Software Development Life Cycle (SDLC), RDBMS, and Data Warehouse & Data Modeling concepts.
* Worked on data profiling & various data quality rules development using Informatica Data Quality.
* Compared production databases to data models, ensuring alignment and accuracy of data structures.
* Utilized SAS for data cleaning, transformation, and analysis, ensuring data quality and accuracy.
* Used various ETL tools to extract data into to Desktop and data wrangling using Alteryx in the data preparation phase. Performing end-to-end Data validation.
* Applied Data Analysis Expressions (DAX) to craft custom calculations in PowerPivot for Microsoft Excel workbooks and Analysis Services tabular model projects.
* Managed Hadoop clusters, including configuring and tuning nodes for optimal performance and reliability.
* Effectively communicate with product team and support Engineering team during development cycle Agile.
* Creating Scope definition and Value proposition
* Worked on Global Context variables, Context variables, and extensively used over 50+components in Talend to create jobs.
* Worked with Guidewire developers and prod support team to understand various functionalities in Guidewire Policy and Billing Center.
* Create automated solutions using Databricks, Spark, Python, Snowflake SQL, HTML.
* Working on web metrics platform using Google analytics
* Implemented data security and access control measures on GCP to ensure compliance with organizational policies.
* Migrated existing data warehouse from Oracle/SQL Server to Azure Synapse DW and perform ETL operations.
* Interact with the SMEs to analyze the data extracts from Legacy Systems Mainframes and COBOL Files and determine the element source, format and its integrity within the system
* Systems administration using Active Directory, Domain Roles and Group Policy.
* Used Debugger in Informatica Power Center Designer to check the errors in mapping.
* Implemented security best practices within SnowSQL scripts, including data encryption and access controls.
* Collaborate with stakeholders to understand data requirements and migration objectives
* Performance tuned ETL code, mappings, sessions and databases.
* Worked on Data modeling, Advanced SQL with Columnar Databases using AWS
* Collibra Workflow development and configuration based on MS Data Governance Approach & Requirements
* Utilized AWS Glue for data transformation, cleaning, and enrichment, ensuring data quality and consistency throughout the analytics process.
* Facilitate Agile ceremonies, including sprint planning, daily stand-ups, sprint reviews, and retrospectives using JIRA.
* Developed Python code using version control tools like GIT hub on vagrant machines.
* Collaborated with HR teams to streamline workforce planning processes, incorporating data-driven approaches to recruitment, on boarding, and talent management.
* Integrated Hadoop with various data sources, ensuring seamless data ingestion and processing pipelines.
* Provide Backups, Active Directory and Windows server environments.
* Developed Data mapping, Transformation and Cleansing rules for the Data Management involving OLTP and ODS.
* Managed data migration projects, transferring large datasets from legacy systems to Teradata environments.
* Develop stored procedures/views in Snowflake and use in Talend for loading Dimensions and Facts.
* Monitored and optimized SnowPipe performance, ensuring efficient and timely data ingestion processes.
* Customize ERP reports and dashboards based on user requirements.
* Automated ETL processes on GCP using Cloud Composer (Airflow) for scheduling and orchestrating data workflows.
* Developed custom functions and procedures using SnowSQL to streamline complex data processing tasks in Snowflake.
* Extensively designed the packages and data mapping using Control flow task, Sequence container task, Dataflow Task, Execute SQL Task, Data conversion task, Derived Column task and Script Taskin SSIS Designer.
* Analyze the Business Object reports/extracts and submit to the Risk manager after the proper validation.
* Developed and implemented ETL processes using Informatica PowerCenter for efficient data extraction, transformation, and loading
* Implemented data error handling and logging mechanisms within SSIS packages to ensure reliable ETL processes.
* Utilized Hadoop tools like Pig and Sqoop to move data between Hadoop and relational databases.
* Defining appropriate security roles related to data Define roles associated with securing, provisioning and auditing security of the data within the domain of stewardship and define named individuals for each required role.
* Design and implement data extraction, transformation, and loading (ETL) processes.
* Ensure data integrity and accuracy during the migration process.
* One-off data loads to Collibra databases
* Collaborated with cross-functional teams to streamline communication and coordination.
* Implemented data security measures to protect sensitive OLTP information within the data warehouse, ensuring compliance with data privacy regulations.
* Perform both record-level and large-scale manual additions, adjustments and corrections to continuously ensure overall data quality and integrity.
* Implemented Copy activity, Custom Azure Data Factory Pipeline Activities.

**Early Warning,** **Scottsdale, AZ Jun 2019 to Apr 2022**

**Sr. Data Analyst/Engineer**

**Project description:**

I led multifaceted projects encompassing data warehousing, ETL development, BI reporting, and cloud migration. Utilizing Agile methodologies, I collaborated with stakeholders to gather requirements, design ETL workflows, and administer Snowflake Data Cloud. Leveraging DataStage and Informatica, I developed robust ETL jobs and Unix Shell Scripts for seamless data loading. Proficient in SAS and Tableau, I conducted data analysis and visualization, while implementing ELT processes with CDC solutions like Informatica PowerExchange. End user training and support were integral, empowering users in Collibra UI customization and AWS/Azure cloud migrations. My expertise spans COBOL, Alteryx, and Power BI, ensuring scalable and insightful data solutions.

**Responsibilities:**

* Collaborated with team members, product owner, and technical manager to gather requirements, and clarify requests with various meetings utilizing agile methodology.
* Data Warehouse is implemented using sequential files from various Source Systems.
* Developed Mapping for Data Warehouse and Data Mart objects.
* Design and Develop ETL jobs using the DataStage tool to load data warehouse and Data Mart.
* Developed Unix Shell Scripts to automate the Data Load processes to the target Data warehouse.
* Responsible for interacting with stakeholders, gathering requirements, and managing the delivery.
* Administered Snowflake Data Cloud, managing user access, security configurations, and data storage.
* Performed Data analysis, statistical analysis, generated reports, listings and graphs using SAS Tools SAS/Base, SAS/Macros and SAS/Graph, SAS/SQL, SAS/Connect, SAS/Access.
* Created Talend jobs to copy the files from one server to another and utilized Talend FTP components
* Used ETL methodologies and best practices to create Talend ETL jobs.
* Administer and maintain user accounts in Active Directory, SAP and other systems.
* Created and maintained workflows using Apache Oozie for scheduling and automating Hadoop jobs.
* Proficient in using Tableau Versions 2019.2 and snowflake using SQL to extract data from Snowflake for writing queries and data analysis for dashboard development.
* Used Talend most used components ( tMap, tDie, tConvert Type, tLog Catcher, tRow Generator, tHash Input & tHashOutput and many more).
* Created ER diagrams using Power Designer modeling tool for the relational and dimensional data modeling.
* Worked closely with data architects to ensure that source-to-target mappings aligned with the overall data model.
* Implemented error handling and monitoring mechanisms within SnowPipe to ensure data quality and reliability.
* Created and maintained Teradata macros and user-defined functions to automate repetitive data processing tasks.
* A scalable and highly available object storage solution for big data is done in Azure Blob storage.
* Implemented ELT processes with Change Data Capture (CDC) solutions like Informatica Power Exchange to capture and propagate changes in source systems.
* Migrated on-premise data systems to GCP, ensuring seamless data integration and minimal downtime.
* Conducted performance tuning on SnowSQL queries, reducing execution time and resource consumption.
* A cloud-based Data Quality intelligence and data visualization service for analyzing and visualizing data is performed in Azure Power BI.
* Worked on reporting and estimates for Property Casualty P C on Guidewire Claim Center implementation.
* Developed ETL jobs using DataStage and Informatica and automated data load processes with Unix Shell Scripts.
* Administered Snowflake Data Cloud and managed user access, security configurations, and data storage.
* Performed ETL Administration responsibilities for the enterprise Data using Informatica and also involved in writing Shell Scripting for ETL JOBS to run.
* Led the migration of on-premises data warehouses to GCP BigQuery, ensuring a smooth transition and minimizing downtime for critical business operations.
* Worked on Talend Administration Console (TAC ) for scheduling jobs and adding users.
* Ensured data security and compliance with industry regulations by implementing and maintaining appropriate access controls and security measures within the RDBMS environments.
* Written procedures, Functions, and SQL Logical statements for the data analysis.
* Created complex calculations in Tableau reports including string manipulation, basic arithmetic calculations, custom aggregations and ratios, date math, logic statements, and quick table calculations.
* Extensively worked on Data Modeling tools SAP PowerDesigner Data Modeler to design the data models.
* Developed and executed data quality checks to identify and resolve discrepancies between OLTP and EDW data, ensuring the accuracy and reliability of analytical insights.
* Agile Methodologies: Worked on all SDLC methodologies most importantly Agile Methodology.
* Demonstrated understanding of Software Development Life Cycle (SDLC)'s and use of version control systems SVN .
* Created SAS Macros for data cleaning and Reporting and to support routing processing.
* Extensive Data Warehousing experience using Informatica as an ETL tool on various databases like Oracle, SQL Server, Teradata, and MS Access.
* Utilized GCP’s Machine Learning Engine to build and deploy predictive models for data-driven decision-making.
* Conducted data profiling and cleansing operations on large datasets stored in Hadoop, improving data quality.
* Conducted data analysis and reporting in Teradata, delivering actionable insights to business stakeholders.
* Conducted sprint planning and backlog refinement meetings using Jira boards
* Monitored project progress and identified potential issues through Jira reports
* Extensively worked on Azure Synapse analytics used & Spark cluster for processing data.
* Configured SQL mail agent for sending automatic emails when SSIS packages fails or succeeds
* Responsible for migrating legacy applications to AWS&Azure clouds and migrating to SaaS solutions.
* Worked on migration of data from SQL server to Cloud databases (Azure Synapse Analytics (DW) & Azure SQL DB).
* Design and develop ETL workflows and datasets in Alteryx to be used by the BI Reporting tool.
* Used Alteryx to perform data blending, created workflows to process data, and integrated with Tableau.
* Used various ETL tools to extract data into t Desktop and data wrangling using Alteryx in the data preparation phase. Performing end-to-end Data validation.
* Product owner for revenue data rate volume dashboard and automated python script for Price Bucket review.
* Utilized COBOL programming language to manipulate and analyze large datasets efficiently.
* Collaborated with cross-functional teams, including database administrators and Data Quality analysts, to understand business requirements and design efficient data models for OLAP (Online Analytical Processing) reporting.
* Integrated data models seamlessly with Power BI and Tableau, enabling end-users to create insightful and interactive dashboards.
* Collaborated with cross-functional teams to optimize GCP infrastructure for performance and cost-efficiency.
* Provided training and guidance to junior analysts on best practices for source-to-target data mapping.
* Collaborated with data engineers to design and implement Hadoop-based data lakes for large-scale data storage.
* Utilized AWS analytics tools such as Amazon QuickSight for creating interactive and insightful data visualizations, enabling stakeholders to derive meaningful insights from the data.
* Developed complex visualizations reports using data from relational databases using Tableau Desktop.
* Developed normalized Logical and Physical database models to design OLTP system for insurance applications
* Responsible for validating Target data after applying different Informatica Transformations on the Source Data.
* Applied COBOL, JCL, and DB2 skills to analyze, develop, and maintain applications on IBM Mainframes.
* Prepare technical specifications and documentation for Alteryx workflows supporting BI reports.

**Client: ConocoPhillips, Houston TX Jan 2017 to May 2019**

**Role: Data Analyst/Engineer**

**Project Description:**

Led multifaceted projects in healthcare analytics, leveraging SQL skills for data extraction and analysis. Ensured data integrity in OLTP models and implemented automation solutions for Eligibility and Enrollment processes. Facilitated cross-functional collaboration in JAD sessions and administered Informatica IICS for seamless data integration. Developed Population Health Analytics platforms using Agile, while optimizing patient flow dynamics using Lean Six Sigma methodologies. Utilized GCP cloud shell SDK and TFS for project management. Designed SQL queries and Tableau dashboards to visualize patient flow patterns, enabling real-time monitoring and informed decision-making. Trained Junior Informatica Developers on SQL and Informatica usage for enhanced team capabilities.

**Responsibilities:**

* Understanding the basic principles of epidemiology, including measures of disease frequency (prevalence and incidence), distribution of diseases in populations, and the concept of risk factors.
* Successfully completed data migration projects in healthcare contexts, delivering smooth system migrations while maintaining data integrity and reducing disruptions.
* SQL skills were used to extract, alter, and analyze health plan data, resulting in increased reporting capabilities and data quality.
* Led the strategic vision and development of BI tools and analytics platforms, significantly enhancing decision-making capabilities and operational efficiency in healthcare analytics.
* Demonstrated strong analytical skills and the ability to communicate clearly and precisely, both in writing and verbally, to support project goals and team collaboration.
* Experience in remote customer support including Active Directory, LAN access and VPN.
* Utilized Teradata utilities such as FastLoad, MultiLoad, and TPT for bulk data loading and extraction.
* Performed exploratory data analysis (EDA) using Hadoop, identifying trends, patterns, and insights from big data.
* Integrated SnowPipe with cloud storage solutions (e.g., AWS S3, Azure Blob Storage) to automate data loading.
* Led a cross-functional team in the development of a Population Health Analytics platform using Agile methodologies, ensuring regular sprint reviews and adaptability to changing requirements.
* Implemented and maintained data interfaces between Guidewire applications and SAP FS-RI/FS-CD, facilitating seamless communication and data flow across the insurance and financial systems.
* Comprehensive understanding of provider-centric health plans in practice to improve member services, expedite provider contacts, and maximize network performance.
* Provided training and support to team members on Hadoop ecosystem tools and best practices.
* Used cloud shell SDK in GCP to configure the services Data Proc, Storage, BigQuery
* Skilled in performing regression analysis in Excel to analyze relationships between variables, assess the impact of independent factors on dependent variables, and make data-driven predictions and recommendations.
* Participated in daily stand-up meetings to discuss progress, obstacles, and potential adjustments, ensuring alignment with project goals and iterative improvements.
* Implemented security controls and access management within Teradata, ensuring data integrity and compliance.
* Developed Python script to for processing large data sets and also to extract data from different files.
* Built Python Modules to deliver specific formats of data.
* Designed and implemented SSIS Packages for seamless data import/export between MS Excel, Flat files, and SQL Server, ensuring data integrity and efficiency.
* Conducted thorough post-implementation evaluations to measure the effectiveness of patient flow optimizations, leveraging quantitative and qualitative data.
* Utilized expertise in data integration techniques to ensure seamless connections between disparate systems, enhancing the accuracy of patient flow analysis.
* Utilized TFS to manage project deliverables systematically, ensuring proper version control and providing a centralized repository for all project artifacts.
* Developed Data Mapping, Data Governance, Transformation and Cleansing rules for the Master Data Management Architecture involving OLTP, ODS and OLAP.
* Collaborated with stakeholders, including clinical teams and administrators, to gather requirements and translate them into actionable user stories for the patient flow optimization project.
* Manage and prioritize the product backlog in JIRA, ensuring that the most critical tasks are addressed first.
* Developed Population Health Analytics platforms using Agile methodologies.
* Utilized SQL skills for data extraction, transformation, and analysis in healthcare analytics.
* Led automation solutions for Eligibility and Enrollment processes.
* Developed SQL-based models to predict potential overcrowding situations and recommended appropriate actions.
* Designed and developed interactive Tableau dashboards to visualize patient flow patterns, waiting times, and resource utilization, facilitating data-driven decision-making.
* Created dynamic Tableau dashboards that displayed key metrics and performance indicators, enabling hospital administrators to monitor patient flow in real-time.
* Identified actionable insights from Tableau visualizations, enabling the clinical team to make informed decisions to optimize patient care processes.
* Implemented performance tuning strategies for Snowflake Data Cloud, optimizing query performance and enhancing overall data processing efficiency.
* Demonstrated proficiency in Tableau, creating complex calculated fields, advanced visualizations, and interactive dashboards to provide comprehensive insights into patient flow data.
* Provided training to Junior Informatica Developers on SQL and Informatica.
* Employed rapid prototyping and continuous feedback loops to validate data visualization concepts, resulting in enhanced usability and improved decision-making for healthcare practitioners.

**Apollo Pharmacy April 2015 to May 2016**

**Junior Data Analyst**

**Responsibilities:**

* Led efforts to gather, clean, and integrate diverse healthcare datasets from electronic health records (EHR), claims, and patient surveys, ensuring accuracy and consistency in the analysis.
* Collaborated closely with clinicians, nurses, and hospital administrators to gain deep insights into clinical workflows and healthcare protocols, aligning data analysis efforts with real-world scenarios.
* Established a feedback loop with clinical teams to continuously refine predictive models based on real-world outcomes, adapting strategies to changing patient populations and medical practices.
* Adhered to strict HIPAA regulations and guidelines, ensuring the protection of patient privacy and sensitive medical information throughout the data analysis process.
* Migrating an entire oracle database to BigQuery and using of Power BI for reporting.
* Led an Agile cross-functional team of clinicians, data scientists, and developers to identify key factors contributing to readmissions within the cardiology department.
* Scheduling data refresh and file handling by python scripting.
* Conducted thorough data analysis and established baseline readmission rates, identifying specific patient cohorts and risk factors contributing to higher readmission rates.
* Developed and implemented ETL processes to extract, transform, and load patient data from disparate sources, ensuring accurate and up-to-date information.
* Orchestrated and facilitated numerous Joint Application Design (JAD) sessions, bringing together stakeholders, end-users, and development teams for collaborative requirements gathering.
* Collaborated with clinical teams to analyze readmission patterns and identified root causes through advanced statistical analysis, leading to the implementation of targeted interventions.
* Designed and implemented data models using Db2, including entity-relationship diagrams (ERDs), to represent business processes and facilitate data storage and retrieval.
* Facilitated regular communication between IT, clinical, and administrative teams to ensure alignment on data mapping strategies, ETL processes, and reporting requirements.
* Utilized SQL queries to extract and analyze historical readmission data, identifying patterns and trends.
* Utilized SQL and Db2 tools to perform data analysis, including data cleansing, transformation, and validation, to provide actionable insights for decision-making.
* Designed visually appealing charts, graphs, and KPIs to convey complex readmission data to stakeholders effectively.
* Ensured compliance with data privacy regulations (such as HIPAA) by implementing appropriate security measures in Power BI reports and datasets.
* Proactively explored innovative ways to leverage Power BI for improving patient outcomes and reducing readmissions.

**Recro, Bangalore, India Jun 2014 to Mar 2015**

**BI Reporting Consultant/Data Analyst**

**Responsibilities:**

* Involved in end-to-end implementation of Data warehousing projects, which include Business Requirements gathering, Analysis, System study, Prepare Functional & Technical specifications, Design (Logical and Physical model), Coding, Testing, Code migration, Implementation, System Maintenance, Support, and Documentation.
* Designing and developing server-side logic, APIs, and application components.
* Building and maintaining APIs that facilitate communication between different parts of the system.
* Extensively used visual filters, page filters, report filters, and drill-through filters in SSIS reports
* Strong knowledge in designing and developing Power BI visualization according to business requirement documents and plans for creating interactive dashboards.
* Creating SQL queries to interact with the database. Ensure SQL databases are meeting the requirements of the end applications.
* Performed and automated SQL Server version upgrades, path installs, and maintained relational databases.
* Developed complex mappings using Informatica Power Center Designer to transform and load the data from various source systems from DB2, DB2/400, Oracle, SQL Server, Flat files to load into Staging, ODS, Enterprise Data warehouse, and subject-oriented Data marts for Sales, Marketing and Finance departments.
* Migrated Tableau reports to Power BI reports for different teams to analyze log information/supply chain data.
* Managed access to reports and data for individual users utilizing roles by embedding Power BI reports.
* Involved in providing maintenance and development of bug fixes for the existing and new Power BI reports.
* Designed dashboards utilizing custom filters and DAX expressions with Power BI
* Presented data through dashboards and scorecards with different visuals such as funnel charts, donut charts, and scatter plots in Power BI
* Created a mapping for the movement of data from oracle and used SCD1 and SCD2 mappings.
* Performed source data analysis and captured metadata, reviewed results with business. Corrected data anomalies as per business recommendation.
* Instigated forted duplicates removal mechanism using Spark data frame and executed 'Upset' logic using Spark, SQL.