**Sai Gadiraju**

**Sr. Data Analyst**

* Around 9 years of experience in transforming business requirements into **analytical models, designing & building models, data mining** and **reporting solutions** that scale across massive volume of **structured** and **unstructured data**.
* Worked with both **Google cloud service (GCP)** and **Amazon web Services (AWS)**
* Experience as a **Data Steward** for data governance on the **Data Lineage, Data Catalog, Metadata Management, Data Quality, and Data Mappings** and how it impacts the downstream data customers and applications.
* **Developed** the **SQL scripts** for enterprise needs by extracting the data from **SQL database** to provide data solutions as per the requirements needed for Compliance, Regulators, OCC, and Audit with the business partners.
* Strong background in SQL and integrating **Tableau** with on-premises databases.
* Documenting new data to help source to target mapping and updating the documentation for existing **data assisting** with **data profiling** to maintain **data sanitation, validation,** and **Data Visualizations**.
* **Develop** an **SQL scripts** for creating a **TABLEAU, Power BI reports & Dashboards** to identify the trends in data in form of **visualizations** and report to the teams.
* Strong experience with **Power BI** views and workflows.
* Identify **Data Quality** issues on the key metrics along with other data and work with **Product** and **data engineering** teams to **improve data quality**.
* Implementing scalable **Statistical** & **Predictive Decision Science Models** using **Machine Learning** platforms with **Python Data Science Packages**.
* Perform **Data Integrity checking** as the data flows between the primary to the secondary database sources using **developed SQL Scripts.**
* Working experience with data Integrations and API's
* Mitigated risk factors through careful analysis of statistical data, transformed and processed raw data for further **analysis, visualization, and modelling.**
* Team builder with excellent communications, time & resource management & continuous client relationship development skills.

**Technical Skills**

**Programming & Scripting:** SQL, Python, VBA.

**Databases:** SQL Server, AWS Athena, Redshift, GCP, RDMS, Oracle.

**BI & Other Tool:** Tableau, Alteryx, Power BI, Excel Power Queries, DAX, Adobe Analytics

**Development Tools:** Google Cloud Platform, Amazon Web Services, Microsoft Office Products.

**Techniques & Algorithms:** Data Analysis, Data Visualization, Data Mining & Cleaning, Data Management, Statistical Methods, Correlations, Association Test

**Project Life Cycle:** Business Analysis & Monitoring, Project Scheduling, Design, Development, Deployment / Production, Monitoring, Data Quality & Validation, Support

**Machine Learning:** Regression, Classification trees, clustering

**Professional Experience**

**CVS HEALTH Woonsocket, RI Sr. Data Analyst Feb 2023-Present**

* Analyze multiple types of Health Plan and Payer claims datasets for potential clients by creating financial/savings opportunity analysis using different modeling methodologies and techniques
* Experience working with Snowflake and other databases like AWS Redshift, Athena and MS SQL server.
* Deep dive analytics into Population health Trends in all LOB’s
* Expert in creating reports using grouper and different codes such as Dx, CPT, HCPCS, and Chronic conditions to help clinical team provide insights through data.
* Create complex data queries using SQL, pulling data from multiple sources, and delivering Health Care Economics reporting for internal and external stakeholders
* Providing clinical analytic support to Clinical Consultants, developing innovative analytical solutions to address clients’ changing needs, and generating trend analyses and insights to support custom requests.
* Adhoc reporting requests involving deep dive analytics stretching across Pharmacy claims and Member Eligibility data, Product, Provider, Transaction, using data exploration techniques.
* Experience with population health analysis for Medicaid, commercial Medicare Advantage.
* Work directly with the company’s sales, Account Management, and Clinical Team’s departments to understand the requests for model/reporting development
* Implemented our constant Data Quality Assurance checks. Data Quality Assurance achieved by comparing specific LOB against benchmarks and internal reporting.
* Analyze multiple types of Provider datasets including EMR, EHR and McKesson to measure and report Provider Performance Metrics and make sure we met our Value Based Contract Guarantees.
* Crete and automate Multiple Ad-Hoc report requests from Internal and External Stakeholders using Medical Claims data provided by the company for financial/trend reporting
* Report and Data automation using VBA, Excel, Access

**Dish Technologies Denver, CO**

**Sr. Data Analyst Jan 2022 – Jan 2023**

* Analyze user interactions on Sling TV and create dashboards to convey the KPIs to the business through data Integrations and API's.
* Monitor the data pipelines and data mappings for effective data flow and consistent uptime.
* Experience with database software such as **AWS** **Athena**, Redshift, **GCP**, SQL and enabling a proper enterprise **Data Lake** in **AWS**
* Perform data analytics based on view generated from Tableau and convey it to the business.
* Link various data sources using **Tableau** and create dynamic views.
* Experience in Alteryx in transforming multiple databases, including spatial databases, to provide geographic business intelligence insights to the business.
* Worked on Data integrations using API
* Defined guidelines for creating worksheets and setting up performance dashboards on **Tableau**.
* Implemented Role Level Security as part of various use cases on Power BI and Tableau.
* Design, build and deploy analytical and reporting solutions using Tableau.
* Building models and tools to get value out of the huge amounts of data from Data Lake.
* Work on Adobe Analytics platform and report various analytics to business such as most watched VOD content, TV shows, volume of users, avg. view time etc.
* Develop interactive and analytical dashboard on **Power BI** to track high level KPIs.
* Participate in business discussions and suggest best ways to maintain data and translate business requirements to technical team members.
* Develop dashboards on superset platform and tune existing dashboards for better performance.
* Maintain software development requirement documents which are a primary to go document for the entire company.
* Significant attention to detail and an ability to quickly spot and fix problems.
* Enabling the best, most personalized, and resilient customer experience possible
* Detail-oriented and a strict attention and appreciation for deadlines

**New Century Health Brea, CA**

**Sr. Data Analyst Aug 2017 – Dec 2021**

* Worked on data cleansing, data management, data transformation using Alteryx and databases like **GCP**, MSSQL and also data Integrations and API's.
* Excellent knowledge of **multi-cloud big data**implementations in **AWS**, **Azure**, and **GCP**
* Developing predictive KPI’s to better forecast and manage the business of Alignment.
* Build microservices for One Network Tool architecture utilizing GCP, Java, Kotlin, Python and PostgreSQL helping to scale for new Distribution Centers.
* We applied Circuit breaker design pattern so if any of the instance would go down we could simply auto scale without human intervention making them highly available during most times, also we applied segregated Database pattern for read and write with read replicas so we could save the I/O hits making the system high performance and reduced the SLA for requests.
* The front end was built with Interpreting IPA/Hospital contracts for risk pool calculations, payment methodologies for Hospitals (DRG, Per Diem, % of Billed, etc.)
* Experience with CMS Premium payments for MA Health Plans, MMR files, Risk adjustment Factors (RAF) and other premium adjustments.
* Reconcile and verify the integrity of financial data against the General Ledger.
* Automated several manual processes that generates reports/analysis within clicks away.
* Analysis on prospective and current client utilization data to identify utilization trends, calculate cost of healthcare and identify opportunities for New Century Health to add value to customers.
* Analyze HCFA and UB claims to identify utilization patterns and opportunities for better care management. Experience working with outpatient/inpatient bundles (APCs and DRGs).
* New initiatives in current business to improve company’s medical expense ratio (MER).
* Automated pricing models to generate various metrics and used clinical benchmark data to flag high-cost groups by various services. This improved our TAT time by 40%.
* Developed a linear regression model to predict authorization volume based on membership.
* Support actuarial functions such as Incurred but Not Reported (IBNR) model.
* Created various Tableau dashboards for internal executives as well as external provider review along with data Integrations and API's.
* Experience with Medicare and Medicaid data and analyze the cost trends based on CPT codes, DRG and diagnosis categories.
* Provider utilization analyses using pathway data; prepares meaningful, professional reports for health plans.
* Analyze and convey savings gap to the client and understand clinical reasons behind it and provide support for various adhoc requests.
* Automate operational reports using macros to reduce execution time, improve efficiency and reduce potential for error with help of data Integrations and API's.
* Function as an interdepartmental liaison between all New Century Health offices, departments, and committees.

**PetSmart. Phoenix, AZ**

**Data Analyst Jan 2017 – Mar 2017**

* Interaction with business to collect and understand Requirements.
* Translated the business needs into system requirements by communicating with the business on non-technical level and with the System Analyst on technical level.
* Arranged walkthrough sessions with the user group and to confirm that all the requirements have been captured and obtained sign off on the requirements documents.
* Identified the key facts and dimensions necessary to support the business requirements. Develop the logical dimensional models.
* Used UML and Visio for creating Activity diagrams, Sequence Diagrams.
* Identified the objects and relationships between the objects to develop a logical model in Erwin tool.
* Used Erwin for relational database and dimensional data warehouse designs and data Integrations and API's.
* Developed entity and attribute descriptions and definitions for the models and ensure that conflicts in descriptions and definitions are resolved.
* Translated the logical model into physical model using Forward Engineering technique in Erwin tool for both OLAP and OLTP systems.
* Conducted and participated in JAD sessions with the users, modelers, and developers for resolving issues.
* Worked with Master Data Management architects to develop data models.

**TATA Consultancy Services India**

*Data Analyst/ Systems Engineer* **Dec 2012 - Jan 2016**

* Developed weekly/monthly tableau dashboards on sales and service requests data.
* Performed data aggregation and clustering on production issues.
* Create reports and track the volume of production defects and take actions for overall quality improvement. Using best practices, I was able to reduce the volume of production defects which improved the overall efficiency by 20 percent.
* Translate business requirements to technical requirements from business users and analysts.

**Education**

**Anna University, Chennai, India May 2012**

*Bachelor of Engineering, Electronics & Communication Engineering*