**PROFESSIONAL SUMMARY:**

* Having **9+** years of Professional expertise in **SQL, Python, AWS, Tableau** and **MS Tools** to perform **Business Operations** using **technical** **tools** for effective analysis in **Data Extraction, Analysis** and **Cleansing**.
* Strong Understanding of **Business** and **Data** **Analyst** Principles & Processes, data test cases. Experience in leading complex data analytic projects from initial conceptualization to Global Delivery with teams based both **onsite** and **offshore**. Experienced in **SQL, Python, AWS, Tableau, and MS Tools.**
* Conduct migration and integration of the data from multiple data sources, into the target table using the Extract, Transform and Load Packages. Created clear **Power** **Point** with data visualization results from **R** and **Tableau** and presented to **customer service team.**
* Expert in **Power** **BI** and ability to program in **DAX** **query** **language** to modify data for reporting.
* Involved in **Requirement** **Gathering**, **Business Analysis** **and Development of code**, **Testing**, and implementation of business requirements**.** Hands-On development of rich and complex **Dashboards**, **Reports**, and **Visualization** using **Tableau and AWS Quick Sight.**
* Excellent knowledge in **Data Analysis**, **Data Validation**, **Data Cleansing**, **Data Migration, Data Transformation,** Data **Warehousing, Data Mapping, ETL, Business Intelligence, Data visualization and Reporting** and **Identifying Data mismatch**.
* Proficient in using **Azure** **Data** **Factory** to efficiently ingest and transform data from various sources into a unified format for analysis.
* Worked on **Amazon EC2, EMR, Amazon S3, Amazon RDS, Redshift, Amazon Elastic Load Balancing, Amazon SNS,** and other services of the **AWS infrastructure**. Extensive experience with **T-SQL** in constructing **Triggers**, and tables, Implementing **Stored Procedures, Functions, Views, User Profiles, Data Integrity** and **Data Dictionaries.**
* Proficient in using **Hadoop's** data ingestion tools like **Apache** **Flume** and **Sqoop** to efficiently bring in large volumes of data from various sources into the **Hadoop** **ecosystem**.
* Performed data cleansing and manipulation by using **excel** **VLOOKUP’s**, **pivot tables** and other **advance** **excel** **functions.**
* Experienced in utilizing **Scala** for data analysis tasks to enhance data processing efficiency and perform advanced statistical analyses.
* Conducted thorough data cleaning, data manipulation and validation using **SAS Programming** to ensure data accuracy and quality.
* Strong experience in business and **Data Analysis, Data Profiling, Data Migration, Data Conversion, Data Quality, Data Integration**, **Metadata** **Management** **Services** and **Configuration** **Management**.
* Built Platform features, and user stories, and maintain backlog with priorities, using **Rally** and **JIRA** platforms.
* Analyzing, manipulating, cleansing, and processing data using **Python, Excel, and SQL.**
* Good understanding of Other **Reporting Service (SSRS)** aspects such as **Report Authoring**, **Report Management**, **Report Delivery** and **Report Security**.
* Experience with additional version control tools such as **GIT**, **Subversion** (**SVN),** and **TFS**.
* Excellent experience in **Data mining** with querying and mining large Datasets to discover transition patterns and examine complex Data.
* Experience In the integration of **SSRS** Reports using various web parts into **Dashboards** and **SharePoint**.
* Optimize **QlikView** applications for efficient data loading, responsiveness, and user experience, ensuring minimal latency in data retrieval.
* Experience in creating visualizations, interactive dashboards, reports and data stories using **Tableau**, **Power** **BI** and **Micro Strategy**.
* Proficient in using **Azure** **Monitor** and **Azure** **Data** **Explorer** to monitor data pipelines and performance, ensuring data quality.
* Performed data comparison between **SDP** (**Streaming Data Platform**) real-time data with **AWS** **S3** using **Databricks, SQL**, and **Python.**
* Set up automated backup and recovery procedures to safeguard critical data in **MySQL** **databases**.
* Ensured data accuracy and consistency by designing and maintaining **PostgreSQL** **databases**, enforcing constraints, and implementing data validation procedures.
* Orchestrated data integration processes between **Oracle** databases and other systems, utilizing tools like **Oracle** **Data** **Integrator (ODI).**
* Experience in **Data Visualization Reporting** via **QlikView**, **Qlik** **Sense** and **Tableau**.
* Leveraged **SAS** to streamline data transformation and preparation tasks, optimizing **data** **workflows** for faster analysis.
* Implemented data governance policies and practices in **Google** **Analytics** to maintain data quality, privacy compliance, and adherence to industry regulations.
* Implemented version control practices within **Jupyter** **Notebook** using tools like **Git**, ensuring code reproducibility and collaboration with team members.
* Utilized **Java** to build data processing pipelines and integrate data from diverse sources, enhancing the efficiency and scalability of data analysis workflows.
* Accomplished data analyst skilled in leveraging SQL databases to analyze data, translate complex database schemas into actionable insights, and drive informed decision-making for diverse business cases.
* Proficient in **database management systems** and **integration tools**, with a solid foundation in data engineering principles.
* Knowledgeable about leveraging **Azure's** **scalability** features to accommodate growing data volumes and meet evolving analytical needs.Top of Form

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Programming Languages** | Python, R |
| **Data Analysis & Business Analysis** | SQL, Python |
| **Data Integration & ETL** | AWS, Azure Data Factory, Apache Flume, PySpark, informatica |
| **Data Visualization** | Tableau, Power BI, QlikView, Google Analytics |
| **Data Warehousing** | Azure SQL Data Warehouse, Redshift, Hadoop |
| **Clouds** | AWS, Azure |
| **Database Management** | MySQL, Oracle, PostgreSQL, NoSQL, PL/SQL, Snowflake, tSQL |
| **Data Cleansing & Quality** | SAS, MS Excel (VLOOKUP, pivot, advanced functions) |
| **Version Control** | Git, Subversion (SVN), TFS |
| **Data Mining & Machine Learning** | SAS, Python libraries (NumPy, Pandas, SciPy) |
| **Reporting Services** | SQL, SSRS, SSMS, SSIS |
| **Data Governance & Metadata Management** | Azure Data Explorer, Google Analytics |
| **Data Profiling & Mapping** | Complex SQL queries, data validation |
| **Data Transformation** | AWS Glue, DAX query language (Power BI) |
| **Statistical Analysis** | Hypothesis testing, SAS, Python statistical tests |
| **Data Validation & Testing** | Unit testing, integration testing, UAT, Jupyter Notebook |
| **Data Visualization Tools** | Tableau, Power BI, QlikView |
| **General** | Communication, Problem-Solving |
| **Big Data Tools** | Hadoop, Spark, Kafka, Hive |

**PROFESSIONAL EXPERIENCE:**

**Client: Mayo Clinic, Rochester, MN. Oct 2021 – Present**

**Role: Sr. Data Analyst**

**Responsibilities:**

* Worked with business requirements **analysts/subject matter experts** to identify and understand requirements. Performed exploratory data analysis like calculation of descriptive statistics, detection of outliers, assumptions testing, factor analysis in **Python** and **R.**
* Analysis of **functional** and **Non**-**functional** categorized data elements for **Data Profiling** and mapping from Source to Target **data environment** and developed working documents to support findings and assign specific tasks.
* Performed data management projects and fulfilled **ad-hoc** requests according to user specifications by utilizing data management software programs and tools like **MS Access, Excel, and SQL.**
* Proficient in using **Python** to clean and preprocess raw data, ensuring data integrity and reliability for accurate analysis.
* End-to-End experience in designing and deploying **data** **visualizations** using **Tableau**. Improved report performance by optimizing data queries and utilizing **Power** **BI** best practices, resulting in faster load times and enhanced user experience.
* Worked with **Azure Data Factory (ADF)** since it is a great SaaS solution to compose and orchestrate **Azure data services**.
* Involved in extensive **Data Validation, Data Mapping** by writing several complex **SQL** queries and involved in back-end testing and worked with data quality issues.
* Employed **SAS** for **statistical analysis, hypothesis testing**, and data modeling to extract meaningful insights.
* Experience in conducting training sessions to empower users with **QlikView** skills, enabling them to explore data independently.
* Implemented and maintained data storage solutions on **Hadoop** **clusters**, ensuring efficient data retrieval and storage.
* Utilize **Python's** libraries like **NumPy** and **SciPy** to perform statistical analysis, statistical tests, hypothesis testing, and exploratory data analysis, providing data-driven decision support.
* Experience of connecting various local and live data sources such as **excel, Json, and MySQL** database in **Tableau.**
* Created **Hive** **tables** and working on them using **Hive QL.** Creation of data structure and staging area for dumping the legacy data and interlinking all the segment data for in-depth analysis and closer look.
* Performed data validations using **SQL Developer.**
* Develop **proof of concepts** (**POC**) using **Azure Cloud** services such as **Azure Data factory (ADF), Logic Apps, Databricks, Azure SQL DB, Power BI** and **Azure Data Lake storage (ADLS)** to validate proposed solutionsand seek feedback from **stakeholders**.
* Capable of generating detailed reports and **ad-hoc** analyses using **QlikView**, facilitating informed decision-making. Generated clear and concise reports and visualizations with **SAS** Programming to facilitate data-driven decision-making.
* Conducted training sessions to educate team members on **Power** **BI** functionality and best practices. Responsible for the design and maintenance of the **GIT** repositories and performed all necessary Day-to-Day **GIT** support for different projects.
* Experienced in **Hadoop's** **HDFS** (**Hadoop Distributed File System**) for storing vast amounts of structured and unstructured data.
* Designed and implemented data-driven applications using **Django** and **Flask**, providing end-users with interactive tools to visualize and analyze data efficiently.
* Performing **Data analysis** and **Data profiling** using complex **SQL** on various sources systems. Created **EC2 Instances** to run automated **Python** scripts to extract data from the data warehouse into flat files and applying transformations on the flat files for analytical and business validation purposes.
* Worked closely with the **Data governance** team and Data Stewards in implementing Metadata management that includes the delivery of **Data dictionaries, Data flows, report catalogs, DQ rules.**
* Utilized **MongoDB** to efficiently store and query large volumes of unstructured data, enhancing data analysis capabilities and enabling data-driven insights for decision-making.
* Created and maintained dashboards using QuickSight and **Tableau** for data management and **UD compliance**. Created interactive and insightful data visualizations using **Power** **BI** to help **stakeholders** make data-driven decisions.
* Developed complex **SQL** queries and functions to extract meaningful insights from **PostgreSQL** databases. Worked with **Oracle** data warehousing tools like **Oracle** Data Warehouse, **OLAP** for multidimensional analysis.
* Integrated **Google** **Analytics** data with other data sources and platforms, enabling a holistic view of user behavior and business performance.
* Adept at implementing **Azure** security measures, including **Azure** **AD**, to safeguard sensitive data and comply with industry regulations.
* Maintained detailed github and organized **Jupyter** **Notebook** documentation, including code comments, explanations, and visualizations, for team collaboration and knowledge sharing.
* Implemented **ETL** platform using **Azure Data Factory, Databricks, Data Lake** and **Azure SQL.**

**Environment:** Python, R, Excel, SQL, Tableau, Power BI, Azure, SAS, QlikView, Hadoop, NumPy, SciPy, ETL, informatica, Hive, JSON, MySQL, QL, SQL, Databricks, ADLS, Git, HDFS, PostgreSQL, OLAP, Oracle, Google Analytics, Jupyter Notebook, Flask, Django.

**Client: UBS,** **Weehawken, NJ. Jul 2019 – Sept 2021**

**Role: Sr. Data Analyst**

**Responsibilities:**

* Involved in **Requirement gathering, Business Analysis**, Development of code, Testing, and implementation of business requirements. Creating processes that enhance operational workflow and provide positive customer impact.
* Involved in conducting Functionality testing, Integration testing, Regression testing and **User Acceptance testing** (**UAT**). Involved in designing an Objected Oriented Security model for different Access Groups and assigned different roles to the Users.
* Working with **Unix/Linux** systems with scripting experience and building data pipelines. Built **AWS** **Data pipelines** for data migration from one **DB** to another **DB**.
* Performed **Data Analysis** and **Data profiling** using complex **SQL** on various source systems including **Oracle** and **Teradata**. Scheduled and managed jobs on the **Hadoop** **cluster.**
* Utilizing **SQL Server Integration Services (SSIS)** to streamline **data extraction, transformation,** and **loading processes**, ensuring efficient data management and analysis for informed decision-making.
* Developed and maintained **SAS** **scripts** for automating routine data analysis tasks, enhancing efficiency.
* Performed and automated **Unit/Integration** testing for the purposed requirements. Import data from multiple data sources and create automated reports in **Power** **BI** after cleaning and preprocessing the data.
* Worked on **pivot tables** **table**, **vlookup**, and functions to do **data** **analysis** in **Excel.** Knowledgeable in implementing version control strategies to manage changes and updates to **QlikView** applications, ensuring data consistency.
* Worked on **Walmart** **Data** **Integration** **project** to recover internal loss of **Data** from the Redshift, Data warehouse using **SQL**, and **Python**.
* Integrated **MySQL** data into reporting tools like **Tableau** or **Power** BI for data analysis and visualization. Oversaw data migration projects, transferring data to **PostgreSQL** from various sources.
* Validated already developed **Python** **reports**, and fixed the identified **bugs**, and **redeployed** the same.
* Managed storage in **AWS** using **S3**, created volumes and configured **snapshots**. Implemented predictive models in **SAS** and monitored their performance for ongoing improvements.
* Creating Databricks notebooks using **SQL** **Python** and automated notebooks using jobs.
* Used forward engineering to create a physical data model with **DDL** that best suits the requirements of the Logical **Data Model.**
* Engineered data-driven applications with **Django** and **Flask**, creating user-friendly interfaces that interact seamlessly with relational databases to empower end-users in making informed decisions based on real-time data.
* Employed **PowerShell** scripts to automate backup and recovery processes for **relational databases**, ensuring data integrity and minimizing downtime during maintenance and updates.
* Utilizing **Tableau Desktop** to create compelling visualizations and **Tableau Server** for seamless data sharing and collaboration, enhancing data-driven decision-making processes.
* Collaborate with cross-functional teams to gather requirements, understand business needs, and deliver tailored **QlikView** solutions. Capable of fine-tuning **Hadoop** clusters for optimal performance, including resource allocation, data partitioning, and scalability, ensuring smooth data analysis operations.
* Created interactive and insightful reports and dashboards using **Power** **BI** to visualize complex data, enabling data-driven decision-making.
* Worked on migrating data from **Teradata** to **AWS** using **Python** and **BI** tools like **Alteryx**.
* Implemented **Oracle's** **security** features, including role-based access control and encryption.
* Managed version control tool **GIT** to version code changes to help developers/programmers branch/merge code. Created **BRDs** in Confluence and linked **BRDs** with **JIRA** stories.
* Involved in extensive Data validation by writing several complex **SQL** queries and involved in back-end testing and worked with data quality issues. Developed **Tableau** **workbooks** from multiple data sources.
* Created customized reports and dashboards in **Google** **Analytics** to provide **stakeholders** with actionable data-driven insights.
* Utilized **Scala** to efficiently process and analyze large datasets, leveraging its functional programming capabilities to extract valuable insights and drive data-informed decision-making.
* Created and run jobs on **AWS** **cloud** to extract transform and load data into **AWS** **Redshift** using **AWS Glue, S3** for data storage and **AWS** **Lambda** to **trigger** the jobs.
* Developed and tested data processing and **machine** **learning** models within **Jupyter** **Notebook** and **SAP**, facilitating experimentation and iterative model improvement.
* Created flexible pricing models to better understand financial scenarios and opportunities and helped businesses solve problems and save time through automation.

**Environment:** UAT, AWS, SQL, Oracle, Hadoop, SAS, Power BI, Excel, vlookup, QlikView, Python, MySQL, Tableau, PostgreSQL, SAS, Databricks, GIT, Django, Flask, Confluence, JIRA, Google Analytics, Jupyter Notebook, Machine learning.

**Client: CITRIX, Bangalore, India. Aug 2017 – May 2019**

**Role: Data Analyst**

**Responsibilities:**

* Worked with management to prioritize business and information needs. Provided a standard process for analysing data across multiple systems and identify erroneous/misaligned data and recommend resolution.
* Worked on various **Python** libraries for developing and testing code for data transformation Functionslike **NumPy, Matplotlib, Panda’s data frame, urllib2**, **MySQL** **dB** for database connectivity.
* Involved in unit testing to check data consistency. Created **data Stories, Reports**, and **Visualization** using **Tableau** and **Power BI.**
* Experienced in large data migration projects from on-prem databases to **Azure SQL** and **Azure** **Data** **warehouse**.
* Transformed and reshaped data using **SAS** transformations for specific analytical needs. Worked with **Tableau** administrator in managing **Production, Test**, and **Development**.
* Used **python** **APIs** for extracting daily data from multiple vendors. Knowledgeable in integrating **Hadoop** with various data processing ecosystems such as **Kafka**, **Spark**, and **Flink.**
* Developed database triggers and stored procedures using **T-SQL** **cursors** and **tables**. Performed analysis and presented results using **SQL**, **SSMS (SQL Server Management Studio) and MS Access,** **Excel**, and **Visual Basic scripts.**
* Proficient in identifying and resolving data-related issues within **QlikView** applications, ensuring data accuracy and reliability. Utilized **Oracle** Enterprise Manager or similar tools to monitor and tune database performance.
* Leveraged **PostgreSQL's** **geospatial** capabilities for location-based analytics and mapping.
* Extracted meaningful insights from **Power** **BI** reports, translating complex data into actionable recommendations for business stakeholders.
* Competent in integrating **Azure** services like **Logic** **Apps** and **Event** **Hubs** to streamline data workflows and automate tasks.
* Proficient in creating informative **charts** and **graphs** in **Excel** to present data-driven findings in a clear and visually appealing manner.
* Wrote **T-SQL** procedures to generate **DML** scripts to perform the database operations and modified database objects. Collaborated with cross-functional teams to translate business questions into analytical solutions using **SAS**.
* Stay updated with **QlikView** best practices and industry trends, actively seeking opportunities to enhance data analytics processes.
* Experience in designing and managing data warehouses with **Azure SQL Data Warehouse**, optimizing data storage and retrieval.
* Extracted valuable insights from **Google** **Analytics** data, identifying trends, user paths, and areas for improvement in digital properties.
* Utilized **Jupyter** **Notebook** for data exploration, performing initial data analysis, and gaining insights into data quality and structure.
* Implemented **ETL** platform using **Azure Data Factory, Databricks, Data Lake** and **Azure SQL.**

**Environment**: Python, MySQL, Tableau, Power BI, Azure, SQL, SAS, Tableau, Python, Hadoop, Kafka, Spark, SSMS, Excel, QlikView, Oracle, PostgreSQL, Google Analytics, Jupyter Notebook, ETL.

**Client: Amway Corp, Delhi, India. Nov 2013 – Jul 2017**

**Role: Power BI Developer**

**Responsibilities:**

* Created different **Power BI reports**utilizing the desktop and the online service and schedule refresh.
* Assist end users with problems installing the **Power BI desktop,** installing, and configuring the Personal and On-Premises gateway, connecting to data sources and adding the different users. Assisted customers in configuring and troubleshooting their row-level security for their company. Leveraged **AWS** services like **Glue** and Lambda to integrate diverse data sources into **Power** **BI**, ensuring smooth **data** **flow**.
* Created different visualizations in the reports using custom visuals like **Bar Charts, Pie Charts, Line Charts, Cards, Slicers,**etc. Also, using different transformation inside edit query into clean-up the data. Experienced in developing **Power BI**reports and dashboards from multiple data sources using data blending.
* Experience in database development and release management concepts, practices, and procedures along with **performance tuning**database code in **OLTP**and **OLAP**environments.
* Designed and executed **ETL** processes on **AWS** to cleanse and transform data for accurate reporting in **Power** **BI**.
* Used various sources to pull data into **Power BI**such as SQL Server, oracle. Involved in installation of **Power BI Report Server.** Developed reports to visually explore data and create an interactive report **Excel and Power BI**.
* Using a query editor in **Power BI** performed certain operations like fetching data from different file.
* Utilized **AWS** **S3** and **Redshift** for efficient storage and retrieval of **Power** **BI** datasets, improving query performance. Implemented **AWS** **security** best practices to protect sensitive data in **Power** **BI** reports, ensuring compliance with industry regulations. Created **groups, content packs**. Created the KPI to show the difference between actual and forecast data.
* I have experience in designing intuitive and user-friendly **UI dashboards** that enhance data visualization and improve the overall data analysis process.
* Proficiently handled a variety of data file formats including **.XML, .XLSX, .CSV, .JSON, and .TXT**, leveraging Java to streamline data extraction, transformation, and analysis processes
* By using **Power BI desktop** connected to various data sources, working with different visualizations. Fine-tuned **AWS** resources to enhance the performance and scalability of **Power** **BI** dashboards, delivering a seamless user experience.
* Developed and published reports and dashboards using **Power BI**and written effective **DAX**formulas and expressions. Utilized **Power Query**in **Power BI**to **Pivot and Un-pivot**the data model for data cleansing and data massaging. Created several **user roles** and **groups** to the end - user and provided **row level security** to them.
* Created **Power BI Reports**using the **Tabular** **SSAS** models as source data in Power BI desktop and publish reports to service. Worked on importing custom visualizations**.**
* I used advanced **data mapping** tools to visualize and analyze complex datasets.

**Environment**: Power BI, AWS Glue, Lambda, Data Visualization, ETL, SQL, Oracle, Data Cleansing, Data Security and Compliance, KPI, DAX, Tabular, AWS, SSAS.

**EDUCATION:**

JNTUH College of Engineering Hyderabad, Bachelor's degree Computer Science (JUNE 2009 – JUNE 2013**)**