**Data Analyst**

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**Professional Summary**

Skilled Data Analyst with 7+ years of experience in data analysis, database management, and data driven decision-making across the legal, finance, insurance, and healthcare sectors. Expertise in ETL processes, Python, SQL, and data visualization using tools like Power BI, Tableau, and QlikView. Proven track record in data integration, machine learning, and AB Testing methodologies, with a strong focus on improving operational efficiency and enabling strategic business decisions. Adept at creating interactive dashboards, automated reports, and leveraging cloud technologies (AWS, GCP, Azure) to support business intelligence. Known for fostering data driven cultures, improving data governance, and ensuring the integrity and security of business-critical data. Strong background in statistical analysis, predictive modelling, and data warehouse design with a focus on legal and financial data analysis.

* Expert in writing **SQL queries and optimizing the queries** in Oracle, SQL Server 2008 and **Teradata**.
* Excellent **Software Development Life Cycle (SDLC)** with good working knowledge of testing **methodologies**, disciplines, tasks, resources and scheduling
* Excellent knowledge**in Data Analysis, Data Validation, Data Cleansing, Data Verification and identifying data mismatch.**
* Performed **data analysis** and**data profiling**using complex **SQL** on various sources systems including Oracle and **Teradata.**
* Excellent experience on Teradata SQL queries, Teradata Indexes, Utilities such as **Mload, Tpump, Fast load and FastExport.**
* Strong experience in using **Excel** and MS Access to dump the data and analyze based on business needs.
* Excellent knowledge on **Perl** & **Unix.**
* Experienced working with **Excel Pivot** and VBA macros for various business scenarios.
* Strong experience in **Data Analysis, Data Migration, Data Cleansing**, Transformation, Integration, Data Import, and **Data Export** through the use of multiple ETL tools such as Ab Initio and Informatica PowerCenter Experience in testing and writing **SQL and PL/SQL** statements - Stored Procedures, Functions, Triggers and packages.
* Over 5 years of total IT experience in the Analysis, Design, Modeling, Development, Implementation and Testing of Data Warehouse applications and acquired excellent analytical, co-ordination and interpersonal skills for leadership.
* A Data Warehouse developer, Data modeler, Data Analyst with more than 5 years of experience in all phases of Software development life cycle (SDLC) including System Analysis, Design, Data Modeling, Implementation and Support and maintenance of various applications in both OLTP and OLAP systems.
* Extensive experience in relational Data modeling, Dimensional data modeling, logical/Physical Design, ER Diagrams and OLTP and OLAP System Study and Analysis.
* Extensive experience in Enterprise Information Management and Architecture technologies including Information Lifecycle, Master Data Management and Business Intelligence.
* Extensively used ERWIN and Power Designer to design Logical and Physical Data Models, to forward and reverse engineering data models and publishing data model to acrobat PDF files.
* Excellent leadership, organization skills and requirement gathering skills such as JAD.
* Strong experience in Database such as Microsoft Access, Oracle 11g/10g/9i/8i, SQL Server, DB2, Teradata, on Windows 2000/NT/98/95 platforms and latest.
* Experienced in writing Toad and PL/SQL Stored Procedures, Triggers and Functions.
* Provided Data Quality Scorecards, Dash - Boards and Ad-Hoc reporting using IDQ.
* Experience on statistical and predictive data analysis, visualization, Machine learning using Python.
* Developed data visualization reports using SSRS, Power BI desktop, Python and Business Objects XI (BOXI).
* Extensive experience in writing project Scope documents, Functional/Technical/Transitional/Operational Requirements, Report requirements, Test Strategy, Test Scenarios, Test Plans, Test Cases, RTM, Defect Log, Test Summary Report and mockup data preparation.
* Experience to create SSRS repots and loads them to SharePoint for end user usage.
* Developed applications using ASP.NET, VB.NET, ASP, VB, C++, XML, Business Objects XI and Crystal Reports XI.

**Technical Skills**

**Database Management:** PostgreSQL, SQL, Azure SQL, AWS Redshift, DB2, MySQL

**Data Analysis:** Excel, Python, R, MATLAB, NumPy, pandas, ETL Processes

**Data Visualization:** Power BI, Tableau, QlikView, Qlik Sense, Looker, Data Studio

**Big Data Technologies:** Apache Hadoop, Apache Spark, Spark ALS, AWS Redshift

**Machine Learning**: TensorFlow, PyTorch, Azure ML, AWS SageMaker

**Statistical Analysis:** R, MATLAB, Python (Matplotlib, Seaborn)

**Cloud Technologies:** AWS (Lambda, S3, Antenna), Google Cloud Platform (GCP), Microsoft Azure, Azure Stream Analytics, Databricks, Azure Data Lake.

**ETL Tools:** Informatica, SSIS, AWS Glue

**Business Intelligence:** SAP Business Objects, SSRS, MDX, DAX, Ad Hoc Reporting, AB Testing

**Data Security & Governance:** Data governance, AWS security services

**Version Control & Documentation:** GIT, Confluence, SharePoint

**Project Management:** Agile, Scrum

**Professional Experience**

**Data Analyst |Toyota North America, Plano, Texas, United States | July 2023 – Present**

* Analysed healthcare data from multiple sources to derive actionable insights, improving operational efficiency and supporting business decisions.
* Implemented AB Testing to evaluate system improvements, leading to increased operational efficiency and improved patient care outcomes.
* Leveraged ETL tools (Alteryx, AWS Glue) to connect with AWS S3, optimizing workflows for medical data storage and retrieval.
* Designed and maintained interactive dashboards using Tableau to monitor clinical trends, patient outcomes, and performance indicators.
* Developed automated workflows with AWS Lambda to enhance data processing efficiency and reduce manual effort.
* Worked closely with clinical teams to integrate Python and R models into clinical data analysis, improving predictions and risk assessments for patient care.
* Ensured data compliance with healthcare regulations, including HIPAA, by establishing robust data governance and security protocols.
* Designed and executed ETL processes to integrate data from various sources into cloud-based data lakes
* Developed predictive models using TensorFlow and PyTorch to forecast customer behaviour, improving the accuracy of financial risk assessments.
* Implemented AWS Lambda for real-time data processing, reducing manual data entry and improving operational efficiency.
* Conducted complex data analysis using Python, MATLAB, and Excel, providing insights for strategic business decisions in the insurance sector.
* Led AB Testing initiatives to assess new product offerings and optimize customer retention strategies.
* Designed and implemented Tableau dashboards to visualize key performance metrics and enhance decision-making across business units.
* Enhanced data security by applying AWS security tools, ensuring data protection and privacy for sensitive financial data.
* Highly skilled in using visualization tools like Tableau, ggplot2, dash, flask for creating dashboards.
* Worked and extracted data from various database sources like Oracle, SQL Server, DB2, regularly accessing JIRA tool and other internal issue trackers for the Project development.

**Environment**: ER Studio 9.7, MDM, GIT, Unix, Python (SciPy, NumPy, Pandas, StatsModel, Plotly), MySQL, Excel, Google Cloud Platform, Tableau 9.x, D3.js, SVM, Random Forests, Naïve Bayes Classifier, A/B experiment, Git 2.x, Agile/SCRUM., MLLib, SAS, regression, logistic regression, Hadoop, NoSQL, Teradata, OLTP, random forest, OLAP, HDFS, ODS, NLTK, SVM, JSON, XML, Map Reduce.

**Data Analyst | Exceed Tek, India | Sep 2021 – Nov 2022**

* Designed and optimized SQL queries to manage and analyse healthcare and financial data across multiple databases.
* Created interactive dashboards using Power BI and QlikView to monitor key financial metrics and operational efficiency.
* Managed data integration projects using Looker, enhancing reporting capabilities for nontechnical stakeholders.
* Conducted data quality audits and implemented data governance practices to ensure the accuracy and reliability of financial reports.
* Leveraged Azure Stream Analytics to process financial data in Realtime, improving the speed and accuracy of decision-making.
* Gained experience in SAP modules, specifically in data management and reporting, enhancing analytical capabilities within financial and operational contexts.
* Collaborated with Cross functional teams to deliver data driven insights to management and support strategic decisions in the finance and healthcare sectors.
* Created complex queries to pull large sets of data and performing analysis using PL/SQL.
* Performed impact analysis on new source systems data to consume by EDW.
* Primarily involved in Data Migration using SQL, SQL Azure, Azure Storage, and Azure Data Factory, SSIS, PowerShell.
* Migrated SSAS Model to Azure Analysis Services to connect to PowerBI.
* Worked with business users on Chang Control Board (CCB) tickets and provided LOEs to implement them in EDW.

**Environment**: SQL, SAP IS-Banking, Power BI, QlikView, Looker, Data Studio, MATLAB, Azure Stream Analytics, Azure SQL, Microsoft Azure, R.

**BI Analyst | Exeedtek India | Aug 2018 – Sep 2021**

* Interacted with business users and performed Gap Analysis of Client requirements
* Elicit business solutions to develop SOX compliance into the existing procurement workflow executed through IT channels.
* Performed Analysis of Reference Data, Data sets and Asset classes in order to bring data into the central repository.
* Worked extensively with MS Visio and Rational tools to document requirements.
* Created the AS-IS and TO-BE process flow diagrams.
* Defined the scope of the project based on the gathered business requirements including documentation of constraints, assumptions, business impacts, project risks and scope exclusions
* Defined functional business requirements, analyzed client requirements, and generated workflow processes
* Prepared Business Requirement Document and then converted business requirements into Functional Requirements Specification.

**Environment**: SQL, Power BI, SAP Business Objects, SSRS, MDX, DAX, GIT.

**Education**

Master’s in computer science | University of Missouri Kansas City | 2024

Bachelor’s in computer science | K L University | 2019