**Vinod Kumar N tovinodkn@gmail.com**

**Business Analyst / Power BI Developer / Tableau Developer +1 704 453 7803**

**Professional Summary:**

* Over 11+ years of Professional Experience in different environments and platforms including Data Analysis, data warehousing, data modelling, data visualization using Tableau, data cleaning on Client-Server applications in Financial Industry. (**Tableau Desktop Certified)**
* Good Knowledge in the ETL (Extract, Transform and Load) of data into a data warehouse/data mart and Business Intelligence (BI) tools.
* Established various connections to Data Sources via SQL server, Teradata, Databricks, etc. Hands on with Tableau Desktop (dashboard creation, report authoring and troubleshooting, data source management).
* Expert Knowledge on interactive filters, parameters, and calculations for preparing dashboards & Stories in Tableau.
* Power BI: design, develop, manage, document, and troubleshoot with the Power Query and DAX.
* Strong IT experience in the field of Data analysis, Data Modelling, Data Validation, Predictive modelling, Data Visualization, Adept in statistical programming languages like Python.
* Have extracted data from various database sources like Oracle, SQL Server, accessing JIRA tool and other internal issue trackers for the Project development.
* Strong experience in Data Analysis, Data Migration, Data Cleansing, Transformation, Integration, Data Import, and Data Export using multiple ETL tools such as Informatica Power Centre
* Extensively used Informatica PowerCenter, as ETL tool for extracting, transforming, loading, and cleansing data from various source data inputs to various targets, in batch and real time.
* Expertise in generating data visualizations using Python and creating dashboards using tools like Tableau or Power BI.
* Expert on maintaining and managing Tableau reports, dashboard, and publishing to the end users for Executive level Business Decision.
* Extensive experience with OLTP/OLAP System, developing Database Schemas like Star schema and Snowflake schema used in relational, dimensional, and multidimensional modelling.
* Expertise with data cleansing, data matching, data conversion, data profiling, exception management, reporting and monitoring functions. Knowledge with Python including Scikit-learn, NumPy, SciPy, Pandas, and NumPy developing machine learning models, manipulating, and handling data.
* Involved in the entire data science project life cycle and actively involved in all the phases including data extraction, data cleaning, statistical modelling, and data visualization with large data sets of structured and unstructured data, created ER diagrams and schema.

**Linked in:** [**https://www.linkedin.com/in/vinod-kumar-400629274/**](https://www.linkedin.com/in/vinod-kumar-400629274/)

**Qualifications:**

* BSC Math, Physics, Chem from Acharya Nagarjuna University, Year 1996-1999
* MSC Mathematics from Osmania University, Year 2000-2002.

**Technical Skills:**

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| Data Visualization | Tableau, Power BI, Alteryx, Google Looker Studio |
| Language & scripting | Python, PLSQL, TSQL |
| Database & Data Ingestion Tools | MySQL, GCP, Oracle, SQL Server, Teradata |
| Tools | Jira, Excel, Jupiter Notebook, MS Office, SSMS |
| Extract Transform Load (ETL) | Informatica and DataStage. |
| Cloud Computing Tools | Azure, AWS, GCP, Snowflake |

**Professional Experience:**

**Eversoft Technologies LLC March 2023 – Till Date**

**Role: Business Analyst / Power BI Developer Responsibilities:**

* Power BI Development: Proficient in designing and creating captivating Power BI reports and dashboards. Skilled in data modelling, establishing relationships, and managing data sources within Power BI Desktop.
* DAX (Data Analysis Expressions): Expertise in crafting DAX formulas for intricate calculations, aggregations, and custom measures and calculated columns. Accomplished in implementing complex DAX logic.
* Data Transformation: Adept at transforming and cleansing data using Power Query Editor in Power BI. Experienced in handling intricate data transformations and shaping tasks.
* Data Modelling: Experienced in constructing effective data models to meet business requirements, including the creation of star schemas, snowflake schemas, and management of role-playing dimensions.
* Data Integration: Skilled in seamlessly integrating data from diverse sources into Power BI, encompassing databases (SQL Server, Oracle), cloud services (Azure, AWS), Excel, and web services.
* Power BI Service: Proficient in publishing and administering reports and dashboards on the Power BI Service. Capable of configuring security settings, workspaces, and facilitating report sharing with stakeholders.
* Performance Optimization: Accomplished in optimizing Power BI solutions to enhance performance by reducing query load times, improving report rendering, and streamlining data refresh processes.
* Custom Development: Proficient in custom development tasks such as crafting custom connectors, Power BI templates (PBIT), and implementing Power BI Embedded solutions where necessary.
* Data Security: Knowledgeable in implementing robust data security measures in Power BI, including Row-Level Security (RLS) and object-level security, to ensure data privacy and compliance.
* SQL and Database Skills: Proficient in SQL for efficient data querying, manipulation, and management, complementing Power BI development capabilities.
* Version Control: Experienced in utilizing version control systems like Git for effective project management and seamless collaboration with fellow developers.
* Business Acumen: Adept at understanding and translating complex business requirements into actionable insights within Power BI, facilitating informed decision-making.
* Communication Skills: Excellent communication skills, facilitating effective interaction with business stakeholders, including requirements gathering and insights presentation from Power BI reports.
* SQL and Database Skills: Proficient in SQL for efficient data querying, manipulation, and management, complementing Power BI development capabilities.
* Strong programming skills in Python for building automations and data extraction, strong exposure in data integration with third party tools. Expert with Azure Data Factory, Azure Databricks, and Azure Synapse.

**Environment**: Python, GCP, Data Lake, Azure Data Factory, Data Bricks, SQL Server, Informatica (Extract, Transform, Load), Power BI, Looker Studio & Tableau.

**Brighter Group Feb 2021- Feb 2023**

**Client: Bloomberg Middle East**

**Role: Sr Business Intelligence Analyst/Tableau Developer**

**Roles and Responsibilities:**

* Involved in creating different reports based on business requests and ad hoc requirements using Tableau desktop. Prepare financial deliverables (quarterly, accrual and budgetary reports) for stakeholders to illustrate KPI metrics.
* Tableau Development: Highlight your proficiency in designing and developing interactive and insightful Tableau dashboards and reports. Mention your experience in creating calculated fields, sets, and groups.
* Data Visualization: Showcase your skills in creating compelling data visualizations using Tableau's various chart types, maps, and interactive features.
* Data Connection: Describe your ability to connect Tableau to various data sources, including databases (SQL Server, Oracle), cloud platforms (AWS, Azure), spreadsheets, and web data connectors.
* Data Transformation: Emphasize your skills in data preparation and cleansing using Tableau Prep or other ETL tools. Discuss how you've handled complex data transformations and data integration tasks.
* SQL and Database Skills: Include your proficiency in SQL for writing custom queries, joining tables, and performing data manipulations. This is often a complementary skill for Tableau developers.
* Data Modelling: Mention your experience in creating effective data models within Tableau, including building relationships, hierarchies, and aggregations to support business requirements.
* Tableau Server and Online: Highlight your expertise in publishing and managing reports on Tableau Server or Tableau Online. Discuss your experience with user access control, security settings, and scheduling data refreshes.
* Performance Optimization: Explain your ability to optimize Tableau dashboards and reports for performance by reducing query times, improving rendering speed, and optimizing data extracts.
* Advanced Calculations: Showcase your knowledge of advanced calculations and scripting within Tableau, such as table calculations, LOD (Level of Detail) expressions, and Python integration for advanced analytics.
* Geospatial Analysis: If applicable, mention your skills in geospatial analysis and map visualizations within Tableau, including custom geocoding and spatial data analysis.
* Version Control: Discuss your experience using version control systems (e.g., Git) for managing Tableau projects, collaborating with other developers, and maintaining a history of changes.
* Business Acumen: Demonstrate your ability to understand and translate business requirements into effective Tableau solutions that provide actionable insights for stakeholders.
* Communication Skills: Highlight your communication skills, as effective communication with business users is essential for gathering requirements and explaining insights derived from Tableau reports.

**Environment:** SQL Server, Teradata, MySQL, Data Warehouse, ETL, Looker Studio, Tableau & Power BI

**Brighter Group September 2019- January 2021**

**Client: PWC Middle East**

**Role: Sr Data Analyst**

**Roles and Responsibilities:**

* Prepared weekly and monthly project status reports using JIRA and SQL and delivered it to appropriate project team members and stakeholders.
* Experience in Converting Hive/SQL Queries into Spark transformations using Java and experience in ETL development using Kafka, flume and Sqoop.
* Developed Spark Code and Spark-SQL/Streaming for faster testing and processing of data.
* Designed and implemented an ETL framework to load data from multiple sources into Hive and from Hive into Teradata.
* Build Docker Images to run airflow on local environment to test the Ingestion as well as ETL pipelines.
* Good experience in Hive Data Warehousing concepts like Static/ Dynamic Partitioning, Bucketing, Managed, and External tables, Join operations on tables.
* Used Spark-SQL to Load JSON data and create Schema RDD and loaded it into Hive Tables and handled Structured data using Spark SQL.
* Used Python and R scripting by implementing machine algorithms to predict data and forecast data for better results. Experience in developing packages in R studio with a shiny interface
* Generated and injected Vehicle IOT data to AWS IOT platform using python.
* Published IOT Data to Kafka Stream, consumed by a spark module to perform predictive analysis using “Random Forest “Machine learning algorithm.
* Utilized Redshift to storing the processed records and implemented batch scripts for continuous learning.
* Writes SQL Stored Procedures and Views and performs in-depth testing of new and existing systems.
* Manipulate and prepare data, extract data from database for business analyst using Tableau.
* Review normalized schemas for effective and optimum performance tuning queries and data validations in OLTP and OLAP environments.
* Exploits power of MS SQL to solve complex business problems by data analysis on a large set of data.
* Environment: Tableau, Teradata, Scala, GCP, Python, Spark, Hive, NiFi, MySQL, Kafka, Shell Scripting, Cloudera, MongoDB, AWS.

**Environment:** SQL Server, Teradata, MySQL, Data Warehouse, ETL, Looker Studio, Tableau & Power BI

**Brighter Group July 2016- August 2019**

**Client: SLB Middle East**

**Roles: Data Analyst**

**Roles and Responsibilities:**

* Lead ETL processes to extract, transform, and load data from multiple sources, ensuring data accuracy and consistency.
* Designed and developed interactive and visually appealing dashboards and reports using Tableau, Power BI, and Looker Studio, resulting in improved data accessibility and user engagement.
* Collaborated with cross-functional teams to gather business requirements and translated them into effective data visualizations and reporting solutions.
* Utilized advanced SQL queries and scripting to extract and manipulate data from various databases, optimizing data retrieval and transformation processes.
* Implemented data modelling techniques to create robust data structures, enabling efficient data analysis and insights generation. Performed data validation and quality checks to maintain data integrity and reliability, resolving discrepancies promptly.
* Conducted regular performance tuning and optimization of Tableau, Power BI, and Looker Studio solutions to ensure optimal report rendering and responsiveness.
* Worked closely with business stakeholders to understand their needs and provided training and support to ensure effective usage of reporting tools.
* Collaborated with IT teams to maintain and upgrade reporting tools, ensuring compatibility with the latest software versions. Contributed to the development of best practices and documentation for data reporting and visualization standards within the organization.
* Successfully managed a portfolio of reports and dashboards, ensuring timely updates and accurate data representation.
* Designed and implemented a comprehensive Tableau dashboard that provided real-time insights into sales performance, resulting in a 20% increase in revenue within the first quarter of deployment.
* Played a pivotal role in migrating the reporting environment to Looker Studio, enhancing report delivery efficiency and reducing licensing costs by 10%.
* Received recognition for consistently delivering high-quality reports and dashboards, contributing to data-driven decision-making across departments.
* Skills: ETL (Extract, Transform, Load) Tableau Power BI Looker Studio SQL Data Modeling Data Validation Performance Optimization Data Visualization Business Requirements Gathering Cross-functional Collaboration Documentation.

**Environment:** Tableau, Teradata, Python & MySQL

**Brighter Group Feb 2013 -June 2016**

**Client: BCG Dubai UAE**

**Role: Reporting Analyst**

**Roles and Responsibilities:**

* Expertly leveraged Advanced Excel functionalities, including PivotTables, VLOOKUP, and complex formulae, to analyze and present data-driven insights.
* Developed and maintained intricate spreadsheets to track and monitor key performance indicators (KPIs) and generate reports for management review.
* Utilized Looker Studio to create visually compelling reports and dashboards, enabling users to access and explore data effortlessly.
* Collaborated with various departments to gather business requirements and translate them into user-friendly reports and interactive visualizations.
* Conducted data validation and quality assurance checks to ensure data integrity and accuracy, resolving discrepancies in a timely manner.
* Played a key role in data modelling, structuring data for efficient analysis and reporting purposes. Actively participated in performance optimization and fine-tuning of Looker Studio reports to enhance report rendering speed.
* Provided training and support to end-users to facilitate effective utilization of reporting tools and spreadsheets. Worked closely with IT teams to ensure the maintenance and seamless operation of Looker Studio and spreadsheet.
* Documented reporting processes and best practices to maintain consistency and quality in reporting efforts. Effectively managed a portfolio of reports and spreadsheets, ensuring timely updates and alignment with business needs.

**Environment:** Excel, Spread Sheets, Looker Studio.

**Brighter Group May 2011- Jan 2013**

**Client: The Emirates Group**

**Role: System Analyst**

**Roles and Responsibilities:**

* Creating Dashboards and visualization of different types for analysis, monitoring, management and better understanding of the business performance metrics.
* Verified all aspects of Client Identification Program (CIP) and necessary account opening documents are provided and in accordance with Know Your Customer (KYC) and Bank Secretary Act (BSA) standards.
* Managed the online contents and leading cross-functional projects and initiatives.
* Involved in Creating Dashboards Scorecards, views, pivot tables, charts, for further data analysis.
* Define and communicate project scope, milestones/deliverables, and projected requirements from clients.
* Worked on SQL, Excel for data analysis, generating reports, graphics, and statistical analysis.
* Involved in Devilling Reports using the SQL advanced techniques like Rank, Row number etc.
* Analyse data using Excel Graphs and Charts and determine business data trends.
* Involved in Providing guidance for transitioning from Access to SQL Server.
* Transfer data objects and queries from MS Excel to SQL Server.