Ajay Kumar Vattam

ajaykumarvattam23@gmail.com | (475) 280-0593 | LinkedIn/ajaykumar

SUMMARY:

Experienced Data Analyst with 5+years of expertise in optimizing healthcare operations and driving data-driven insights. Proficient in business intelligence tools like Power BI, SSIS, SSAS, SSRS, and advanced T-SQL query writing for complex data analysis and integration. Skilled in managing SQL Server installations, database configurations, and cloud-based Azure solutions, including Data Factory and Data bricks. Adept at implementing ETL workflows, data modelling, and Row-Level Security in Snowflake to ensure secure and efficient data handling. Proven leadership in managing onsite-offshore teams and delivering impactful BI solutions using Agile/Scrum methodologies.

Technical Skills:

- **Languages**: MS SQL, T-SQL, Python.
- **RDBMS**: MS SQL Server (2005/2008/2012/2014/2016/2017), MS Access, Oracle Database.
- **Data Warehousing & BI Tools**: SQL Server Business Intelligence Development, SSIS, SSRS, DTS, Power BI, ETL, Snowflake, Netezza.
- **SQL Server Tools**: SQL Profiler, Database Engine Tuning Advisor, SQL Server Management Studio (SSMS), SQL Server Integration Services (SSIS), SQL Server Reporting Services (SSRS), SQL Server Configuration Manager (SSCM), SQL Server Surface Area Configuration.
- **Reporting & Visualization Tools**: Power BI (Desktop/Server), Tableau (Desktop/Server), Crystal Reports (12/9), SQL Server Reporting Services (SSRS), Microsoft SharePoint, Oracle Reporting Tools, Google Analytics.
- **Database Tools**: SQL Server Management Studio (SSMS), SQL Profiler, Query Analyzer, Management Studio Index Analyzer, DTS Import/Export, Backup Server, Replication Server, SQL Agents, Alerts, Jobs, Visual SourceSafe, Data Structures and Manipulation, Informatica, GitHub.
- **Operating Systems**: Windows (7/2000/2010), Unix, Linux, Ubuntu.
- **ETL Tools**: SQL Server Integration Services (SSIS), Oracle Data Integrator, SAS Data Management, Hadoop, Hive, Spark, Azure Data Factory, Kubernetes, Amazon S3.
- **Data Modelling**: Erwin, TOD, Fact and Dimensional Data Modeling, UML, Logical and Physical Data Modeling.

Education:

- Masters in Computer Information Science at **University of New Haven.**
- Bachelor in Arts at **Acharaya Nagarjuna University**

PROFESSIONAL EXPERIENCE:

TD BANK, Cherry Hill Township, New Jersey   **March 2024– Present**
Data Analyst
Responsibilities:

- Collaborated on data sourcing, flows, and logical data models with data warehouse architects.
- Optimized T-SQL queries and database performance using MS Server Profiler and Tuning Advisor.
- Designed and executed ETL workflows with SSIS, Python (Pandas, NumPy), and SQL Alchemy.
- Created and optimized Tableau SQL queries for data analysis and reporting.
- Developed various SSRS reports, including Tabular, Matrix, Drill-down, and Ad-hoc reports.
- Implemented scalable Azure SQL Database solutions and on-premises migrations.
- Applied Row-Level Security for secure data sharing in Snowflake and SQL environments.
- Designed Power BI dashboards and visualizations, integrating trends, KPIs, and cross-tab analysis.
- Utilized Snowflake for semi-structured data handling and custom Python scripting for transformation.
- Troubleshot and deployed SSRS reports to meet business requirements.

Environment: SQL Server 2005/2008 R2/2012/2014/2016. SQL server Reporting Services, SQL Integration Services, SQL server Analysis Services 2008, Tableau Desktop (Desktop, Server), Power BI, Microsoft Visual Studio, Tableau, SQL Server Management Studio, MS Excel, T-SQL, ERWIN, Microsoft Visual Basic.

Cigna Insurance, Houston, Texas   **Jan 2022–March 2024**
Data analyst/Power BI Developer
Responsibilities:

- Collaborated with end users and stakeholders to gather and understand project requirements, ensuring successful development of data-driven solutions.
- Extracted, transformed, and loaded data from diverse sources (SQL Server, Azure SQL, MS Excel, Oracle) into Power BI using **ETL workflows** (SSIS, Power Query).
- Developed and optimized Power BI dashboards using **DAX calculations**, drill-throughs, and hierarchies, reducing reporting time by 60%.
- Designed and implemented machine learning models in Python to improve inventory demand forecasting, reducing overstock and low inventory issues by 20%.
- Published secure Power BI reports and dashboards using Power BI Gateways and implemented a consistent report theme for usability.
- Conducted ad hoc analyses and self-service Power BI models, empowering users to independently generate insights and enhance decision-making.
- Analyzed user behaviour via Google Analytics, driving a 25% increase in conversions and a 20% reduction in bounce rates.
- Provided actionable insights through dashboards and regular updates, improving campaign ROI by 32%.
- Ensured high-quality deliverables by reviewing reports, collaborating with developers, and aligning outputs with user requirements.

Environment: MS SQL Server, SSIS, SSRS, Power BI, SQL Server Management Studio (SSMS), Azure SQL Database, Oracle Database, T-SQL, DAX, Visual Studio, Python, Tableau, Excel, Power Pivot, Power View, Power Map, SQL Profiler, Active Directory, Snowflake, Netezza, Google Analytics, and various other BI and data analysis tools.

HSBC, Hyderabad, India   **May 2019- Aug 2021**
Junior SQL Developer
Responsibilities:

- Collaborated with Business Analysts to gather technical requirements and supported data-driven decision-making by creating and maintaining Excel-based reports and dashboards.
- Designed and developed SSIS packages using Control Flow, Sequence Container, Dataflow, Execute SQL, Data Conversion, Derived Column, and Script tasks for ETL workflows.
- Scheduled and managed SSIS packages for monthly and weekly feeds from multiple servers and guarantors, ensuring timely data availability.
- Standardized and tested data for ETL processes, importing large CSV files and mapping data from diverse sources.
- Provided data quality advisory services to clients and internal stakeholders, recommending process enhancements to improve data warehouse accuracy.
- Analyzed, designed, built, and tested OLAP cubes in SSAS 2012, incorporating MDX calculations to meet complex analytical requirements.
- Configured and managed reports in SSRS 2012, defining layouts, parameters, and queries for drill-down and complex reports with synchronized data sources.
- Administered report scheduling, execution, and history tracking using Report Manager and Report Builder while troubleshooting and optimizing SQL performance using SQL Profiler and Database Engine Tuning Wizard.
- Installed and configured SQL Server Active/Active and Active/Passive clusters, monitoring scheduled jobs, alerts, and ensuring high availability and performance.

Environment: MS SQL Server 2014, SSIS, SSAS, SSRS, Visual Studio 2013, 2010, System Monitor/ Performance Monitor, Visual Studio 2013/2015, MS Project, MSOffice, SQL Server Profiler, Dashboard, SQL Server.