**Chris Maghas**

**SQL/Data Analyst**

**Cell: 4174137966,Email: chris.c.maghas@gmail.com**

**SUMMARY**

* Data Analyst with more than 10 years’ experience with tools such as Tableau Business intelligence solutions (7 years), Microsoft SQL Server (7 years), and a host of other analytical tools to help businesses make important decisions that adds value.
* Also, possess hands-on experience modeling data and conducting statistical analysis in the financial and human resource sector.
* Responsible for creating interactive performance-optimized analytical reports that addresses KPI and promotes strategic planning.
* Utilized performance-tuning procedures to increase performance by over 50 percent and help make dashboard more visually appealing and user friendly.
* Involved in designing of Tableau Architecture with the goal of Speed (increased performance), High availability, disaster recover, and concurrency.
* Monitored Tableau Server by creating through Troubleshooting and receiving regular communication about servers health.
* Maintained security control of the Tableau products and solutions by designing effective authentication measures.
* Proficient in communicating and training employees and top management in utilizing Tableau
* Created users, groups, projects, workbooks and set appropriate permission for Tableau server logons and security checks to promote proper authentication and security.
* Broad use of Erwin for Logical Data Modeling, Physical Data Modeling, Logical-to-Physical Transformation, Forward engineering, Reverse engineering, and Model-to-model comparison.
* Extensive knowledge of Data Warehousing methodologies and concepts, including Star Schemas, Snowflake Schema, SSIS processes, Dimensional Modeling and Reporting tools.
* Proficient in using PL-SQL for developing complex Stored Procedures, Effective Triggers, Tables, Views, User defined Functions, Relational Database Models and Data Integrity, SQL Joins, Indexing and Query Writing.
* Strong ability in Data warehousing tools, Data Mapping, Unit Testing, Migration, Conversions, and Process Documentation.
* Good knowledge in Creating, Configuring, Deploying and Fine-tuning MS SQL Server Integration Service (SSIS) packages.
* Strong background in development, implementation, administration and support of ETL processes for large-scale Data Warehouses using SSIS including tools like BCP utility, DTS and SSIS 2005/2008 Packages with proper control flow and data flow elements by using MS SQL Server 2012/2008-R2/2008/2005.
* Implemented SSRS server level and item level security, subscription, performance tuning and access various reports in multi-user environment.
* Possess good leadership qualities, team player and strong appetite to learn new technologies

**TECHNICAL ENVIRONMENT**

Tableau Desktop and Tableau Server 6/7/8, 9 Tableau Online, Tableau Public, Tableau

Reader,Alteryx, Microsoft SQL Server 2012/2008-R2/2008/2005, MS SQL Server Integration

Services (SSIS), PL SQL, Server Reporting Services (SSRS), MS SQL Server Analysis Services

(SSAS), T-SQL, PL-SQL, OLAP, OLTP, Erwin Data Modeler v7.0/v4.x, Microsoft Visual Studio

2010/2008/2005, Microsoft Access, Microsoft Office(MS Word/Excel/Powerpoint), MS Project,

HTML, XML, Java, C++, C#, SAP HR/ERP, Visual Basic 6.0, Microsoft Office Visio, Windows

2008/2003/2000 Advanced Server, Windows NT/95/98/2000/XP/7, Ultra Edit Text Editor, Visual

Safe Source 2005 (VSS),Cognos.

**EDUCATION/TRAINING/CERTIFICATION**

* 2015, Masters in Statistics from Missouri State University, MO USA.
* 2010, Bachelor of Science from Missouri State University, MO USA.
* Tableau Desktop Certification(vs.10)

**Experience**

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**Oct 2019 – Current**

**Company: CODA, MO**

**BI Coach & Trainer/Analyst**

Training and coaching students in analytics on Data management, ETL and Reporting on specific tools such as python, SQL, Tableau and Alteryx.

**Responsibilities:**

* Prepared course materials for training students in SQL, Tableau and ETL tools such as Alteryx
* Made lessons plans for SQL , Tableau and Alteryx as well as python.
* Held and trained all weekend sessions in all areas of anlytics
* Aided in the creation and maintenance of company Hr, and Information technology database
* Introduced self-service as a concept – With weekly trainings and WebEx sessions for students and business users to be able to generate quick and advanced visualizations to explore data and detect trends and patterns.
* As trainer, I did prepare several documentations for all the dashboards and trained students on how to utilize these documents.

**Deliverables:**

1. Reporting
2. Employee Productivity Report:Created and maintained four reports within tableau environment.
3. Financial Report: Created and maintained 5 Financial reports for the management.
4. Database Management:
5. Created and supported a properly scalable database creation
6. Created number of store procedures to support reports as well as support the company web portal.
7. ETL
8. Created and maintained a DAF workflow to process employment contracts and payments.
9. Created and Maintained Meeting Attendance Workflow.

**Oct 2018 – Feb. 2020**

**Client: Bank of America, Charlotte, NC**

**SQL Analyst/ Analytics Reporting Project**

The main goal of this project was to develop an application that provides reporting and analytics at the employee functional level across various lines of business within the bank as part of operational strategic initiative. The application allows creation of various engagements for selected reporting hierarchies and analysis associated total people costs. The intended user group is the Finance Enterprise Cost Management team. I am part of the Analytics Reporting team to develop analytical reports, work with QA to debug and eliminate user errors and help reduce the need for extensive SQL training by introducing repeatable changes using tableau dashboards and and other functional capabilities provided by tableau.

**Responsibilities:**

* Wrote complex SQL queries using complex joins, grouping, aggregation, nested subqueries, cursors, etc.
* Performed analysis and presented results using SQL, SSIS, MS Access, Excel, and Visual Basic scripts.
* Imported, exported and manipulated large data sets in multi-million-row databases under tight deadlines.
* Wrote and automated tools and scripts to increase departmental efficiency and automate repeatable tasks.
* Manipulated files and their associated data for rapid delivery to clients or loading onto internal databases.
* Collaborated with project managers, legal counsel, and other team members to gather data for projects.
* Provided the Financial crime Investigators with a dashboard that searched across multiple transactional data sources to see information relevant to our customers, their accounts and wires in different locations.
* Working on some Anti Money Laundering and OFAC related stored procedures to support reports for our other lines of businesses.
* Establish a central repository and User Interface that captures and displays all the Customer Due Diligence information regarding a client’s relationship with the Bank across all Front Line Units and Bank Subsidiaries.
* Introduced self-service as a concept – With weekly trainings and WebEx sessions our business users are now able to generate quick and automated procs to advance UI to explore data and detect trends and patterns.
* With tableau we now have a visual discovery of Customers, accounts and wires and the future ability to search across other transactional data sources.
* Extensive use of Teradata SQL Assistance for data queries, joins and analysis.

**Deliverables:**

1. Reporting
2. Cost Analysis Report: Created and maintained four reports within tableau environment.
3. Taxonomy Report: Created and maintained 5 Taxonomy reports for the management.
4. Web Portal: CHEDAR Application
5. Part of the QA Team in testing the CHEDAR Application for costing data.
6. Created number of store procedures to support reports as well as support the company web portal.

**March 2018 – Oct. 2018**

**New York Department of Mental Health & Hygiene**

**SQL Developer/Consultant**

**Description:**

The project was to cooperate with different analysts within the department and deploy the first Tableau adoption project as well as Tableau Server on their desktop. The goal was to embed BI and analytics further into the business. Develop insight value using Tableau and getting raw data into actionable business intelligence to visually present to senior executives within the Department.

**Responsibilities:**

* Analyzed data collected in stores (DTS Package, T-SQL, jobs, stored-procedures and queries) and provided reports to the commercial team (Excel, VB Script, Macro)
* Compiled lists of stores respecting criteria given by client services, while minimizing collection costs (T-SQL, Queries, Views)
* Assured and checked the quality and the integrity of the data received from the store collectors (T-SQL, Queries, jobs, stored-procedures)
* Wrote and analyzed trending reports, drew extrapolations from findings to/with the project manager and the commercial team (SSRS, Excel, T-SQL, Queries)
* Optimized DTS, stored procedures and jobs into SQL Server to increase overall performance and time/server use of daily functions
* Created and optimized processes in the Data Warehouse to import, retrieve and analyze data in the Data Mart System (Jobs, DTS, Queries)
* Employee of the year in 2007 for best teamwork player.
* Utilized performance tuning procedures to increase performance and help improve database performance.
* Monitored VizQL server, Application Server and data server activity to track performance and system stability
* Implemented /created complex joins to create views to support reporting work.
* Designed reports/graphs/presentations using Tableau for specified projects. Produced accurate analyses of project datasets as defined by the required specification.
* Worked on creation of users, groups, projects, workbooks and the appropriate permission sets for Tableau server logons and security checks.
* Involved in Tableau installation and configuration with Single Server System and Three Node Server System.
* Configuring Users based on Active Directory and logged in through Run as User account.
* Working on Tableau User based Licensing and Core based licensing..
* Responsible in maintaining Tableau data source connections and scheduled both full and incremental refreshes and updates.
* Extensively used Tabadmin and Tabcmd commands in creating backups and restoring backups of Tableau repository.

**July 2017 – Mar 2018**

**State Street, Boston, MA**

**Data Analyst**

**Description:**

This project involved data migration from SQL database to Netezza environment. I was involved in all the steps of examination of source systems, Data Assessment, migration build, execution and finally transition. Second, Worked with a team in creating, and deployment all Tableau Risk Assessment Reports, and modeling systems for various active portfolio pools managed by Portfolio managers in five major cities. The reports were intended to help business users to structure and monitor their portfolios based on available benchmarks. Rules within the reports were set to generate alerts whenever threshold limits are breached.

**Responsibilities:**

* Developed interactive Tableau visualizations after gathering Business Requirements, Interacting with the Users, Project Manager and SMEs to get a better understanding of the Business Processes.
* Stretched Tableau limits to create unconventional Tableau charts such as Grouped Bar Charts, Donut Charts, Bar-in-Bar Charts, and logical calculations to create groups.
* Extensive use of Alteryx in data preparation, blending and Analysis of data.
* Utilized performance tuning procedures to increase performance and help make dashboard more visually appealing and user friendly
* Implemented data blending and joins to work with data from multiple databases in a single report
* Designed excellent tableau dashboards and presented correct decisions independently based on what different kind of visuals would make sense for the business.
* Employed complex calculations, parameters, action filters, and other advanced options to provide deep insights into out of voluminous and complex datasets.
* Ensured accuracy, continuity, and consistency by analyzing and integrating data points
* Supervised and trained less experienced Tableau reporting specialists.
* Performed administrative and support activities across a multi-environment Tableau infrastructure including security administration, release management, troubleshooting and general systems maintenance
* Reviewed, assessed and promoted adoption and standardization of Tableau support solutions.
* Analyzed business requirements and data sources from Excel/Oracle SQL Server for design, development, testing, and production rollover of reporting and analysis projects within Tableau Desktop.
* Created views in Tableau Desktop that were published to internal team for review and further data analysis and customization using filters and actions.
* Formed Heat Map showing current service subscribers by color that were broken into regions allowing business user to understand where we have most users vs. least users using Tableau.
* Converted charts into Crosstabs for further underlying data analysis in MS Excel.
* Reviewed basic SQL queries and edited inner, left, and right joins in Tableau Desktop by connecting live/dynamic and static datasets.
* Developed story-telling dashboards in Tableau Desktop and published them on to Tableau Server which allowed end users to understand the data on the fly with the usage of quick filters for on demand needed information.
* Scheduled data refresh on Tableau Server for weekly and monthly increments based on business changes to ensure that the views and dashboards displayed the changed data accurately.
* Used Oracle Easebase in Parallel calculation execution, with CALCPARALLEL or FIXPARALLEL
* Tested dashboards to ensure data was matching as per the business requirements and if there were any changes in underlying data.

**Jan. 2017 – July 2017**

**New York Department of Mental Health & Hygiene**

**Tableau Developer/Consultant**

**Description:**

The project was to cooperate with different analysts within the department and deploy the first Tableau adoption project as well as Tableau Server on their desktop. The goal was to embed BI and analytics further into the business. Develop insight value using Tableau and getting raw data into actionable business intelligence to visually present to senior executives within the Department.

**Responsibilities:**

* Combined views and reports into interactive dashboards in Tableau Desktop that were presented to Users,
* Working on generating various dashboards in Tableau Server using different data sources such as Teradata, Oracle, Microsoft SQL Server and Microsoft Analysis Services
* Performed Tableau type conversion functions when connected to relational data sources and further stretched Tableau limits to create unconventional Tableau charts such as Grouped Bar Charts, Donut Charts, Bar-in-Bar Charts, and logical calculations to create groups.
* Utilized performance tuning procedures to increase performance and help make dashboard more visually appealing and user friendly
* Monitored VizQL server, Application Server and data server activity to track performance and system stability
* Implemented data blending and joins to work with data from multiple databases in a single report
* Designed reports/graphs/presentations using Tableau for specified projects. Produced accurate analyses of project datasets as defined by the required specification.
* Worked on creation of users, groups, projects, workbooks and the appropriate permission sets for Tableau server logons and security checks.
* Involved in Tableau installation and configuration with Single Server System and Three Node Server System.
* Configuring Users based on Active Directory and logged in through Run as User account.
* Working on Tableau User based Licensing and Core based licensing..
* Responsible in maintaining Tableau data source connections and scheduled both full and incremental refreshes and updates.
* Extensively used Tabadmin and Tabcmd commands in creating backups and restoring backups of Tableau repository.

**Client: GBC-Kenya, iTTS**

**Duration: Jan 2012-Dec 2016**

**Role: BI Architect**

The goal of this project was to re-engineer an end-to-end automate tea trading system for teas sold through the Mombasa Tea Auction in East Africa region. The automated tea trade system was intended to mitigate against some of the business challenges within the East Africa Tea Trade chain. Some of the challenges included: Long tea trading cycle, availability and access to tea trade data, physical movement of documents and actors, complex and bureaucratic trading process, high logistics costs, limited tea trading windows, and limited marketing options. iTTS aims to boost the trading volume and meet the emerging demand and global market dynamics.

Responsibilities/Key Deliverables:

* Determine operational objectives by studying business functions, gathering information, evaluating output requirements and formats;
* Helped designing the platform by analyzing requirements, constructing workflow charts and diagrams, studying system capabilities and writing specifications;
* Improved systems (QA&IT) by studying current practices, designing modifications and recommending controls by identifying problems and writing improved procedures;
* Defined project requirements by identifying project milestones, phases, and elements, forming project team and establishing project budget;
* Monitored project progress by tracking activity, resolving problems, publishing progress report, and recommending actions;
* Maintained system protocols by writing and updating procedures and created references for users by writing and maintaining user documentation, providing help desk support as well as training users.
* Well-versed in developing reporting applications using Cognos Business Intelligence components like Report Studio, Framework Manager, Query Studio, Analysis Studio, Metric Studio and Cognos Connection.
* Strong complex reporting skills – complex Drill-Through, Discontinuous Cross-Tabs, Summary Reports, Burst Reports.
* Extensively used Framework Manager, Query Studio and Report Studio for model design, ad-hoc reporting and advanced report authoring.
* Strong understanding of dimensional modeling of Star Schemas, Snow-Flake Schemas Methodologies for building enterprise data warehouses.
* Interacted with Customers for requirement gathering, effective analysis and also to provide end-user training.
* Involved in a data migration process between different versions of Cognos.
* Experienced in developing Dashboards Reports in Cognos 8 and 10
* Proficient in all phases of Data warehousing concepts, and experience in dimensional modeling using Star Schema and Snow-flake Schemas.
* Created and published packages in Framework Manager from various data sources. Generated different kinds of reports in ReportNet, created templates and multilingual reports.
* Strong experience in client interaction and understanding business application, business data flow and data relations from them.
* Knowledge in Planning, Designing, developing and deploying Datawarehouses / Data Marts with experience of both relational & multidimensional database design using Data Modeling tool ERwin (Physical and Logical data models)
* Worked with Different Databases like Oracle8i/9i/10g, SQL Server 2000, DB2, MS Access.
* Great understanding and application of PL/SQL In querry development and fine-tuning within the organization.
* Complied interactive dashboards in Tableau Desktop and published them to Tableau Server, which allowed story telling behind the Mobile App usage with Quick Filters for on demand-needed information with just a click of a button.
* Extensive knowledge of Data Warehousing methodologies and concepts, including Star Schemas, Snowflake Schema, SSIS processes, Dimensional Modeling and Reporting tools.
* Proficient in using T-SQL for developing complex Stored Procedures, Effective Triggers, Tables, Views, User defined Functions, Relational Database Models and Data Integrity, SQL Joins, Indexing and Query Writing.

**Environment:**

**Tableau Desktop/Server 8 and 9, TabCMD, Alteryx, MS SQL Server 2014, MS SQL Server Integration Services, MS Visual Studio 2010, Microsoft Office Visio, Microsoft Safe Source 2005 (VSS), Erwin r8, Ultra Edit tool, SharePoint, C#., Easebase Oracle,** **Cognos**