**Abdul Shaik**

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**Senior Business Analyst**

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* Over 12+ years of IT experience in the Analysis, Design, Development, Tuning, Administering Client/server application using Microsoft SQL Server, **Business Intelligence platform, Power BI, Tableau along with cloud based analytical platforms like SQL Azure.**
* Special expertise on **SAS DI Studio & MicroStrategy** applications and integrations.
* Proficient in Developing **SSIS Packages to Extract, Transform and Load (ETL) data into the Data warehouse from Heterogeneous databases**
* Proficient knowledge of **Data Warehousing** methodologies and concepts, including star schemas, snowflakes schemas, ETL processes, dimensional modeling, and reporting tools.
* Hands on experience with all versions of **SQL Server back to 2008, Analysis Services (SSAS) t**o deliver online analytical processing (OLAP)and data mining functionality for business intelligence applications.
* Strong experience with **T-SQL, SSRS, Power BI, DTS/SSIS, SSAS, Tableau, Crystal Reports and SharePoint**
* Experience with cloud technologies like **AWS and Azure** environment with working knowledge of SSAS, POWER BI, Crystal Reports
* Profound experience in **Data requirements gathering, creating Data Requirement Specifications,** Technical/Functional Specification documents and **ETL mapping** specification documents
* Experience in various project phases like business requirements gathering, source to target **data mappings, ETL development, testing and production deployment.**
* Experience working with Big Data and Hadoop technologies.
* SAS Base and Advanced Certified Programmer.
* Expertise working in various domains**: Banking, Telecom, Transit, Health Care and Retail industry.**
* Ability to deliver tasks within project deadline and contribute to project planning and scheduling.
* Experience working in relational database design, development, and testing.
* Full **Software Development Life Cycle (SDLC)** experience including Analysis, Design and review of Business and Software Requirement Specifications.
* Excellent working knowledge on Data Modeling, Data Integration and Data Mining.
* Expertise handling large data from multiple sources and ability in data profiling, scrubbing, analyzing, integrating and validation from multiple source systems.
* Experience working with AGILE Methodologies.

**TECHNICAL SKILLS**

* Database: Oracle, IBM DB2, Teradata, IBM Netezza, Microsoft SQL Server and MySQL
* ETL Tools: SAS DI Studio, Microsoft SSIS, Informatica, Ab Initio, Pentaho, IBM Data stage, DTS, SSIS, DTS, Informatica Power Center
* Data Modeling Tools: Erwin Data Modeler and Power Designer
* Reporting Tools: SAS EG, Microsoft SSRS, SAP BOBJ, Power BI, Tableau, MicroStrategy, IBM Cognos
* Operating System: Windows, UNIX, LINUX, Macintosh, IBM Mainframe
* Languages: SQL, PL and SQL, SAS, Python, HTML, XML
* Other Tools: Microsoft Office, TOAD, PL/SQL Developer
* Testing Tools: Microsoft Test Manager, HP Quality Center
* Cloud Technologies: AWS, Azure

**PROFESSIONAL ACCOMPLISHMENTS**

**Senior Business System Analyst Lead April 2019 – Current**

**TD Bank- New Jersey**

* As a BSA lead worked on leading on the data gathering requirements, data gap analysis and report code conversion analysis.
* Gathering requirement from various business users like RESL, CA, PCL, CC, MMA, and PL.
* Worked with various risk teams to help them with report code conversion, helping create accounts and access and setting up database connections.
* Led data analytics initiatives and collaborated with cross functional business and data analytics stakeholders to turn business requirements into consumable data reports.
* Experience in creating DAX queries, Power Query, Power BI Service, managing workspaces, Power BI Data Flows
* Designed ETL packages to transfer files into SQL Databases and designed reports to present the Data to the higher management.
* Developed Power BI reports and dashboards from multiple data sources using data blending.
* Developed interactive and easy to understand Reports and different types of visualizations like Tablix Reports, Tabular Reports, Matrix Reports, Ad hoc reports, and distributed reports in multiple formats using SQL Server Reporting Services and Power BI
* Maintained Power BI Gateways to keep the dashboards and reports up to date
* Created calculated measures and dimension members using multi-dimensional expression (MDX), mathematical formulas, and user-defined functions.
* Worked on data gap analysis, data validation and validation percentage to make sure variables exist in Microsoft SQL Server.
* Worked with developers from SAS and SQL Server teams to lead and co-ordinate the data migration activities.
* Loading historical data from SAS to SQL Server using PC SAS and Microsoft SQL Server.
* Worked on converting existing SAS Code to SQL Server and Microsoft Azure.
* Worked on converting code from mainframe to SQL Server.
* Creating documentation for project deliver, SLA and BAU activities.

**Tools: SAS EG, Microsoft SQL Server, PC SAS, Power BI, SQL Azure, MS SQL Server, SSIS, SSRS**

**Senior Business Intelligence Consultant May 2017 – April 2019**

**Bank of Montreal - Toronto/Chicago**

* Reverse engineer legacy SAS code into actionable requirements.
* Analyzing, designing, developing, and testing ETL process based on the requirement from business and technical users.
* Recreating existing ETLobs and reports from SAS 4.2 version to SAS 6.3 version.
* Developed various analytical methods to categorize new customer types that require enhanced due diligence mentioned in the CDD Standard.
* Create test cases and scripts to validate the ETL code developed and test the accuracy of data from legacy systems to the new target system.
* Created various reports for AML and CDD and EDD processes.
* Create and update existing documentation to support new systems deployed.
* Reverse engineer legacy SAS code into actionable requirements.
* Develop high-level queries in SAS/SQL to perform data pull/cleansing/management.
* Apply problem-solving and analytical skills in conjunction with SAS/SQL language to conduct quality assurance checks on data (from initial delivery to final merged data) to ensure data accuracy.
* Developed, tested, and validated SAS programs to improve code efficiency and accuracy.
* Designed and developed complex ETL structures for the transformation of data sources into data warehouses.
* Resolved troubleshooting problems relating to ETL applications and data issues.
* Loading from disparate data sets using Hadoop stack of ingestion and workflow tools.
* Developing business logic in spark using Python.
* Used Spark for interactive queries, processing of streaming data and integration with popular database for huge volume of data.
* Developed Python scripts to copy data between the clusters. The Python script that is developed for the copy enables to copy huge amount of data very fast.
* Implemented processes for extraction and loading of ETL data into data warehouses and marts.
* Retrieved the data and produced reports from the databases using ad-hoc queries proc univariate, proc reg and proc SQL.

**Tools: SAS 9.4 Version, Talend, Python, IBM Netezza, Microsoft SQL Server**

**BI Developer May 2015 – April 2017**

**Bell - Toronto, Canada**

* Gathering business requirements from business management and creating business rules, logics, and conceptual, logical, and physical data models.
* Extract and manipulate data from different source systems by developing ETL jobs and feeding in Data warehouse.
* Modifying and updating incoming data from different source systems using ETL jobs by reformatting, importing, sorting, merging, and restructuring.
* Prepare documentation of overall process development from gathering of business requirements, developing of ETL job and test scripts used for data validation.
* Create test cases and scripts to validate the ETL jobs developed and test the accuracy of data from legacy systems to new target system.
* Co-ordinate with offshore team with data mapping, development and testing activities.
* Document test results, log and track defects, and participate in bug review processes to identify priorities.
* Created Attributes, Facts, Dimensional Hierarchies and all the public objects like Metrics, Custom groups, prompts and filters using MicroStrategy.
* Created dashboards, reports, cubes, drill maps for end users to drill down and recover data using MicroStrategy.
* Designed efficient BI Dynamic Dashboards for the business users with dynamic prompt answers and with multiple data sets in both MicroStrategy Desktop and MicroStrategy Web.
* Worked with the MicroStrategy technical support to troubleshoot the dynamic display of prompts in the web mode and some other Report related issues.
* Recommending time utilization plans based on forecasting of developed data.
* Produce and communicate project timelines on a monthly/weekly/daily basis with business management and provide project status.
* Designing and developing project-specific programs like producing analysis datasets, graphics and reports.

**Tools: Teradata, SAS DI Studio, SAS EG, Microsoft SQL Server, MicroStrategy, Pentaho**

**ETL Developer May 2012 – May 2015**

**Accenture, Toronto, Canada**

* Gathering requirement from business users from various departments like Marketing, Collections, Risk, Finance and Insurance.
* Involved in business requirements gathering to enable Data Integration across all business groups.
* Extracted Data from different sources systems, transformed data and loaded data into Oracle Tables by using ETL.
* Worked on a total of 70 mappings from 35 source systems, 10 stored procedures.
* Translated the business processes into Informatica ETL mappings.
* Developed ETL sessions for initial full loading and daily incremental loading.
* Writing PL/SQL code using the technical and functional specifications.
* Configured the mappings to implement Slowly Changing Dimensions (Type-2).
* Developed SQL\*Loader scripts to load data into the staging tables from the flat files.
* Leading onshore BI solution team and coordinating with the offshore team in all the activities and to meet the project deadlines.
* Reviewing all the activities/status of the project with client and business users.
* Analyzing critical reports from all line of business and generating dimensional cube model from data warehouse for standard reporting.
* Participated in the analysis, development, testing, training, documentation, implementation and maintenance of assigned projects.
* Review the existing code and make new changes upon business requirements.
* Developing Conceptual Model, Logical Model and Physical Model for Data Warehouse.
* Document test results, log and track defects, and participate in bug review processes to identify priorities.
* Designing and developing project-specific programs like producing analysis datasets, graphics and reports.
* Modifying and updating incoming data from different source systems using SAS code by reformatting, importing, sorting, merging and restructuring.
* Developed macros for report generation using SAS/Macros as per the customer's requirements.
* Performed data integrity checks and data cleaning using SAS MACROS.
* Produced HTML, RTF and PDF formatted files using SAS/ODS.
* Developed SAS code using Macros to run recurring jobs and optimized code.
* Defined both logical views and physical data structure using Erwin.
* Written Stored Procedures using PL/SQL and functions and procedure for common utilities.
* Developing ETL logic for data mapping and validating data from different source systems.
* Used PL/SQL to validate data and to populate various tables.
* Extensive involvement with the Quality Assurance team for building exhaustive set of test cases.

**Tools: Microsoft SQL Server, Microsoft SSIS, Microsoft SSRS, SAS Customer Intelligence Studio, Informatica, Ab Initio, IBM Data stage 8.5, IBM DB2, IBM Netezza, Oracle, Erwin Data Modeler, Power Designer, Microsoft Test Manager and HP Quality Center**

**BI Consultant August 2011 – May 2012**

**TELUS, Toronto, Canada**

* Generate various weekly, monthly, and Ad-Hoc reports using SAS, SQL and IBM Cognos.
* Involved in writing the SAS code to help in the process of Quality control by implementing various statistical procedures like Proc Freq, Proc Means, Proc Univariate and other procedures like Proc Summary, Proc Transpose, Proc SQL and Proc Print.
* Enhancing various existing reports with new business requirements and creating new reports.
* Review the existing code and make new changes upon business needs.
* Worked on various third-party tools to generate reports and analysis.
* Analyzing data by understanding business needs and requirements.
* Presenting analyses results and insights to different teams as needed.
* Modifying data using SAS/BASE and SAS Macros.
* Created and maintained SAS datasets that are extracted from various database.
* Creating Oracle objects like tables, types, packages, procedures and functions.
* Optimized queries to improve the performance of the application.
* Working with forecasting team to generate various reports from data available to understand future business trends and behaviors.
* Maintained history of past campaign results and analyzed future campaign scenarios.

**Tools: Oracle, Microsoft SQL Server, SAS Enterprise Guide and IBM Cognos**

**PL/SQL Developer**

**Hydro One Telecom, Toronto, Canada May 2010 – December 2010**

* Developed PL/SQL queries for data migration and analysis from Microsoft Access to Oracle.
* Investigated and analyzed several data issues and suggested new implementations to meet the company standards.
* Generated reports based on products and region and enhance where required.
* Designing universe and creating new reports with SQL and maintaining them.
* Involved in extracting data from the various databases and created statistical analysis files for submission to senior management.
* Supported Oracle DBA activities in Data modeling and Oracle database design.
* Working on Info View to generate crystal reports.
* Created and scheduled jobs to automate various processes.
* Successfully designed and implemented protocols for regular data collection and data analysis.

**Tools: Oracle, Informatica and SAP BOBJ**

**EDUCATIONAL QUALIFICATIONS**

**Master of Engineering** **September 2009 – April 2011**

*University of Windsor, Windsor, Canada.*