**Professional Summary:**

* Certified SAS programmer with around **8 years** of experience in analysis, design, development, testing and implementation of Applications in Financial, health care industry telecommunications and marketing campaign using SAS Software.
* Experience in connecting to different relational databases including **Teradata, Oracle and DB2** using **SAS/ACCESSLibname statement and PROC SQL explicit pass through**.
* Experience in writing **UNIX shell scripts**using vi editor.
* Experience as a Senior SAS Programmer and data analysis using BASE SAS and SAS EBI software in **Windows**, **UNIX and Mainframe** environments.
* Strong hold on writing SQL queries especially in handling large data sets with SQL joins using PROC SQL.
* Good experience in writing complex **SQL sub queries** using select statement.
* Extensive experience in using the **Set, Update, Modify and Merge statements** for concatenating Updating, modifying and Merging various large datasets.
* Extensively worked on **ETL** and Reporting using SAS.
* Extensively worked for **SAS FORMATS and INFORMATS** for converting and formatting data.
* Experience in Developing and using **SAS/Macros** to mitigate rewriting SAS code.
* Experience in performing table lookups and sorting large datasets using **Hash objects**.
* Experience in deploying **SAS** jobs on different **UNIX** servers using SCP and SFTP commands.
* Experience in Data management, data extraction, manipulation, validation and analyzing huge volume of data.
* Experience in using different lookup techniques for combining large datasets.
* Implemented security(Authentication and authorization) at document level and at the server level in QlikView applications.
* Experience working with R and R studio.
* Undergone extensive training on Micro Strategy, Data Stage and Informatica.
* Experience in Using **QlikView Functions (Date and Time, Keep, Join, Mapping, String & Input Fields etc.)**
* Good knowledge of QlikView Server, QlikView Publisher and QlikView Enterprise version.
* Developed QlikView Dashboards using Chart (Drill down & Cyclic Grouping), List Box, Input Field, Table Box and Calendar & Date Island
* Implemented Qlikview security at document level and data level to the end users.
* Deployment and administration of production QlikView reports and environment using QlikView Management Console and QlikViewAccessPoint.
* Experience providing Tableau desktop training for clients and end users.
* Created extracts, published data sources to tableau server, refreshed extract in Tableau server from Tableau Desktop.
* Involved in Trouble Shooting, Performance tuning of reports and resolving issues within Tableau Server and Reports.
* Proficiency in importing different types of external files(Excel, CSV, txt, etc.) into SAS libraries and exporting SAS data sets as external files using PROC IMPORT, PROC EXPORT, and SAS DATA steps.
* Thorough knowledge in SAS Procedures like **PROC SORT, PROC APPEND, PROC CONTENTS, PROC DATASETS, PROC COPY, PROC FORMAT and PROC PRINT**.
* Command in producing tables, listings, and reports employing SAS procedure steps such as **PROC REPORT, PROC MEANS, PROC SUMMARY, PROC COMPARE, PROC TABULATE and PROC FREQ.**
* Extensively worked on **INPUT** and **INFILE** statements for reading and converting data from csv and txt files into SAS datasets.
* Experience in using **SAS Functions, Statements, Dataset options and System Options**
* Experience in working with Business Users and Technical Teams to understand requirements and to develop code based on SDLC procedures.
* Experience in creating charts and plots using PROC GCHART and PROC GPLOT procedures.
* Experienced in using **SAS ODS** to redirect the output to **RTF, HTML and PDF** files and customizing the reports using PROC TEMPLATE.
* Detail oriented, organized, enthusiastic to work in a fast paced and team oriented environment
* Strong communication skills, problem solving skills and challenge oriented.

**Technical Experience:**

Operating Systems : Windows, UNIX

SAS Software : BASE SAS 9.4, SAS/MACROS, SAS/SQL, SAS/ACCESS, SAS/ODS, SAS/GRAPHS,

SAS Enterprise Guide 5.1.

Programming Languages : C, Core JAVA, SQL, UNIX Scripting

Databases : ORACLE, DB2 and Teradata

Other tools : Teradata SQL Assistant, MS Visio

**Professional Experience:**

**Comcast, Philadelphia, PA Oct 2014 - Present**

**Role: Sr. SAS Programmer**

**Responsibilities:**

* Performed daily, weekly, monthly and ad-hoc reports as per deliverable schedules.
* Used SQL pass through facility to connect to Oracle tables and created datasets using various SQL joins.
* Used PROC FREQ, PROCFORMAT, PROC MEANS, PROC TABULATE and PROC REPORTprocedures to generate reports.
* Analyzing credit card customers data and creating **predictive analytical models** to identify high, moderate and low risk customers. Also extensively used **SAS Enterprise Miner** to create predictive analytical models for customer retention program.
* Bringing large data from SAS and non-SAS (Teradata or Oracle or DB2 database) data sources into a SAS environment and performing SAS data manipulations against the resulting sets. This includes ability to merge datasets and to write SAS Macros and generate list outputs/reports.
* Validating and testing all code for accuracy and efficiency.
* Involved in running the batch process for Teradata CRM.
* Creation of BTEQ, Fast export, MultiLoad, TPump, Fast load scripts.
* Execute the SQLs on UNIX environment.
* Develop processes on Teradata using RDBMS utilities such as FastLoad, FastExport and BTEQ Teradata).
* Used Unix SQL, Oracle, Teradata and MS Office analysis tools to complete analysis requirements
* Work on SQLs to get required data.
* Help the reporting team by providing the Teradata SQL queries
* Completing necessary documentation to evidence the code matches requirements and that it meets department’s quality standards.
* Providing good time line estimates for coding based on functional specifications and manages expectations with business partners.
* Converted metric insight reports to tableau reports.
* Effectively used data blending feature in tableau.
* Defined best practices for Tableau report development.
* Communicate with business contacts as necessary to help explain results.
* Creating Hash objects for combining SAS datasets and performing table lookups.
* Scheduling SAS jobs to run on regular intervals using UNIX crontab file.
* Written shell scripts to automate daily tasks.
* Involved in code changes for SAS programs and UNIX shell scripts.
* Created profiling reports for all the datasets created and also done standardization.
* Implementing various performance improvement techniques to reduce I/O, CPU time and memory usage.
* Extensively use of SQL for Queries, Joining, and Merging, Concatenation of different tables for data extraction from different databases.
* Creating and maintaining SAS datasets that are extracted from ORACLE database tables and convert them to SAS data sets.
* Extract raw data from files of different formats (csv, flat file) using Proc import and import wizard

**Environment:** SAS 9.4, SAS/BASE, SAS/MACRO, SAS/STATS, SAS/SQL, SAS/ACCESS, SAS/ODS,SAS Enterprise Guide 5.1,Teradata, Oracle, Db2,UNIX, MS Excel, MS Visio, MicroStrategy,QlikViewMS Project.

**Comerica Bank, Detroit, MI Mar 2013 – Oct2014**

**Sr. SAS Programmer**

### **Responsibilities:**

* Connecting to relational database, oracle using SAS/ACCESS Libnamestatement and explicit SQL pass through facility.
* The credit risk analysis was performed to identify the potential risk customers and non-risk customers.
* Used SAS/Enterprise Guide to analyze Banking Habit data (Online Banking, Walk In Banking, Mobile Banking, Tele Banking, and Drive In Banking), Loan data (Home Loan, Student Loan, Car Loan, and Business Loan) to identify the risk involved.
* Assessing the validity of statistical and non-statistical models used for credit risk management
* Improving the load and read performance when loading SAS datasets into oracle and reading tables from oracle using options like FASTLOAD, BULKLOAD and FASTEXPORT.
* Understanding the star schema designed by data warehouse architects and writing SAS Jobs for new projects.
* Combining the datasets using different lookups techniques including hash objects to minimize the disk reads and improve the CPU processing time.
* Create export scripts using Teradata Fast Export Utility.
* Preparing Test cases and Test Data
* Create data manipulation and definition scripts using Teradata BTEQ utility Involved in the analysis and design of the system
* Involved in Testing of the prototype.
* Create load scripts using Teradata Fast Load and Mload utilities Code Reviews and Code walk through of the prototype.
* Create procedures in Teradata SQL.
* Execute the SQL’s on UNIX environment. Performance tuning the long running queries.
* Developed processes on Teradata using RDBMS utilities such as Fast Load, FastExport, BTEQ Teradata).
* Worked on adhoc requests to change the existing SAS code and SAS/MACROS.
* Performing the impact analysis to find the programs that needs to be changed.
* Using SAS/MACRO facility to provide reusable programs that can be conveniently used time to time and to avoid number of programming lines of code.
* • Involved in troubleshooting MicroStrategy Prompts, Filters, Templates, Consolidations, and Custom groups in an enterprise data warehouse team environment.
* Executed load test for optimal thread setting for Microstrategy-Netezza
* Used Sql Queries at the custom Sql level to pull the data in tableau desktop and validated the results in Tableau by running Sql queries in Sql developer and Google Big-Query.
* Prepared dashboards using calculated fields, parameters, calculations, groups, sets and hierarchies in Tableau.
* Deployment of tableau by laying the architecture and using suitable deployment model and creating security levels for users, looking after the system administration, ensuring the best practices for optimal use of the system.
* Involved in Optimizing existing QlikView dashboards with a focus on usability, performance, long-term, flexibility, and standardization.
* Created numerous MicroStrategy objects like Dimensional metrics, Transformation metrics, Conditional Metrics, Relationship filter, pass through functions.
* Experience in working with Qlikview extensions such as Word Cloud, Word Map.
* Performance tuning by analyzing and comparing the turnaround times between SQL and Qlikview.
* Developed dashboards pertaining to Revenue and Sales monitoring using Qlikview 9.0 SR6.
* Managed and distributed application using Qlikview Publisher.
* Managed the QlikView Server tasks: developing tasks, assigning license, creating user groups etc
* Connected to different ODBC, OLE DB data sources (SQL Server, Oracle, and SAP BW) and flat files to create and schedule different complex reports as per given business requirement by leveraging the basic components of Qlikview.
* Worked with Qlikview administrator to optimize Qlikview performance.
* Produced quality customized reports by using PROC TABULATE, REPORT, SUMMARY, MEANS and FREQ
* Used options like DROP, KEEP and RENAME to work with some variables.
* Responsible for modifying the existing SAS programs to change the functionality according to new business requirements.
* Developing UNIX scripts to run SAS programs and for deploying SAS Jobs across multiple environments.
* Created SAS Customized Reports using the Data \_Null\_ technique
* Analyzing the requirements and preparing the high level and low level design documents.

**Environment:** SAS/BASE, SAS/MACRO, SAS/STATS, SAS/SQL, SAS/ACCESS, SAS/ODS, SAS Enterprise Guide, Oracle, UNIX, MS Excel, QlikView ,Teradata, Ab inetio,MicroStrategy ,MS Visio.

**Cox Communications, Atlanta,GA Jan 2012 – Feb 2013 Sr. SAS Programmer**

**Responsibilities:**

* Connecting to relational databases like Teradata and oracle, pulling the data and checking the data for inconsistencies.
* Concatenating and merging large datasets using set, merge and PROC SQL joins.
* Attending meetings with the business team and planning the estimates.
* Creating routine and ad-hoc reports using PROC PRINT, PROC FREQ, PROC REPORT and PROC TABULATE.
* Modifying standard programs to generate data sets for statistical data analysis and to generate listings.
* Responsible for edit checks of clinical trial data to identify illogical data
* Writing and modifying UNIX shell scripts to accommodate the new process and methodology.
* Using several SAS dataset functions to clean the data.
* Writing code using SAS/Base and SAS/Macros to extract clean and validate data from flat files and Excel files.
* Involved in improving the efficiency of merging large datasets by benchmarking CPU time and disk reads.
* Developed and improved the efficiency of programs through the use of SAS macros.
* Involved in Performance Tuning of an  QlikView Applications
* Designed and Developed various analytical reports from multiple data sources by blending data on a single worksheet in Tableau Desktop
* Develop Framework manager models and publish packages to Cognos connection.
* Participate in design and maintenance of BI tables to support efficient Cognos reporting.
* Utilized advance features of Tableau software like to link data from different connections together on one dashboard and to filter data in multiple views at once.
* Installed and upgraded of Tableau server and server performance tuning for optimization.
* Administered user, user groups, and scheduled instances for reports in Tableau.
* Created Inline tables to load data manually to QlikView.
* Involved in writing Teradata SQL bulk programs and in Performance tuning activities for Teradata  SQL statements using Teradata EXPLAIN
* Involved in creating/replicating reports in MicroStrategy based on existing Crystal Reports.
* Created and maintained user guides and documentation for QlikView applications.
* Used MicroStrategy functions such as ApplySimple and ApplyComparision in metric calculations.
* Managed existing QlikView Reports & Dashboards.
* Writing SQL Scripts to load the relevant Data in QlikView Applications.
* Implemented Security & involved in Deployment of Qlikview Applications.
* Troubleshooting Qlikview server and Qlikview publisher as necessary.
* Developed load scripts to work with multiple data sources (SQL, Flat Files, Excel, and MS Access).
* Redirecting SAS output to HTML, RTF and PDF files using SAS/ODS and customizing the output styles using PROC TEMPLATE.
* Documenting process flow, improving and updating procedures for existing SAS applications.
* Creating user defined formats and informats using PROC FORMAT procedure and using them as lookup tables when doing many-to-one or one-to-many merges.

**Environment:** SAS/BASE, SAS/MACRO, SAS/STATS, SAS/SQL, SAS/ACCESS, SAS/ODS, SAS Enterprise Guide, Teradata, Oracle, UNIX, MS Excel, QlikView ,Ab inetio,MS Visio.

**Accenture, Hyderabad, India Dec 2010 - Dec2011**

**Data Analyst**

**Responsibilities:**

* Connected various databases (ORACLE, DB2) such as development and production database (DB2 on UNIX) using SAS/ACCESS, SAS/CONNECT
* Performed extraction, transformation and loading from large Oracle tables using SAS/ETL.
* Developed & executed SAS programs on a regular and ad-hoc basis using SAS/Macro and SAS/Graph.
* Generated high quality reports in the form of listing, HTML, RTF and PDF formats using SAS ODS.
* Extensively used the SET, Update and Merge statements for creating, updating and merging various SAS datasets.
* Created filters and calculations in Cognos Framework manager.
* Created User Groups and Roles in Cognos connection to assign security for different usersinCognos projects.
* SAS PROC SQL pass through facility used for querying, insertion & updating the data
* Analyzed data and summarizes performance using summary statistical procedures.
* Providing notations of performance deviations and anomalies, creating and publishing periodic reports, as well as any necessary ad hoc reports.
* Created graphs using PROC GPLOT and GCHART permanent formatted SAS data sets for present and future analysis.
* Performed Quality assurance and validation on the transported data and reports.
* Additional responsibilities involved developing and analyzing business performance reports (e.g. for claims data, provider data, utilization data).

**Environment:** UNIX, SAS, SAS/Macro, SAS/ODS, SAS/GRAPH, PROC SQL, Excel, ORACLE and DB2.

**United Health Group, India Jan 2008 – Nov 2010**

**Data Analyst**

**Responsibilities:**

* Extracted data from Oracle using SQL Pass through facility, Libname Method and generated ad-hoc reports.
* Transferring and migrating data from Oracle to SAS datasets to be used for further statistical analysis.
* Responsible for creating new code, utilize existing code and maintain data in SAS.
* Created SAS datasets from raw data files with different field structures using trailing and in the data step.
* Built summary reports after identifying the customers, their occupancy period and the revenue generated using PROC SUMMARY, PROC MEANS and PROC FREQ.
* Scheduling the sessions to load data in to warehouse database on Business. Requirements usingInformatica Scheduler.
* Developed Informatica mappings, mapplets, workflows, sessions to process data from multiple sources and load the data into Data Warehouse based on reuirements.
* Developed complex mappings and mapplets using partitions in Informatica.
* Performed SQL tunning and Informatica mappings to improve the performance of the jobs to provide maximum efficiency and performance.
* Developed several Informatica mappings and mapplets to extract data from various sources such as flat files, database etc., and load the data into Data Warehouse using various transformations & reusable transformations like source qualifier, joiner, rank, update strategy, expression, union, sort, lookup, sequence generator, and router transformation etc.
* Used SAS system macros for error handling, code validation, date stamping of log files, collected files to a given directory and scheduling.
* Performed data analysis, data migration, data preparation, graphical presentation, statistical analysis, reporting, validation and documentation.

**Environment**: Windows, SAS, SAS/Macro, SAS/ODS, PROC SQL, Excel, ORACLE.