**Sruti Choppa**

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**Summary:**

* Certified SAS programmer with over **7 years** of experience in applying SAS on various projects using various versions of SAS software in programming for data analysis, coding and application implementation in Clinical and Healthcare**.**
* Generated and automated customized reports using **SAS macros** to help clients in preparing dash boards for understanding risks with ease and optimized performance and customer satisfaction.
* Provided support as **primary liaison** between the **business line, operations, and the technical areas throughout the project cycle**. Majorly concentrated on gathering, analyzing, documenting. Programming, validating data as per business requirements.
* Utilized various SAS input techniques in DATA step to create new data sets from a raw data and handled missing data using various infile options.
* Performed extensive Data Cleansing during the **ETL's** Extraction and Loading Phase by developing an automated SAS using complex reusable Macros analyzing the raw data and derived data.
* Created SAS programs on **UNIX** platform and automated them using shell scripts to download/transfer the data between different servers according to the specifications.
* Coordinated with vital departments to analyze customer retention, opportunities and customer segmentation.
* Stored and distributed **SAS Enterprise Guide** results in different formats such as **HTML, PDF, WORD** based on the user group requirements using **SAS output delivery system.**
* Used SAS Data Step logics and proc sql techniques to **Sort, Merge, Stack, Update** and Interleave datasets for producing required analysis of data and used other BI tools to produce reports as per requirements.
* Skillful in generating **tables, graphs, and listings** adhering to the Analysis Plan Standard Operating Procedures **(SOPs),** and departmental guidelines.
* Designed and **created reports** directly from various sources like **Excel datasheets, flat files, relational databases and Facets.**
* Experience in Data Conversion and Data Migration using **SSIS** across different databases like **Oracle**, **MS access** and **flat files**
* Developed extracts of data from legacy system for loading to Facets system.
* Good knowledge in developing and designing reports through **SSRS.**
* Used statistical procedures such as **PROC REG, PROC FREQ, PROC LOGISTIC, PROC MIXED, PROC GLM, PROC MEANS, and PROC UNIVARIATE.**
* Worked with **SAS/CONNET and SAS/ACESSS** to import/export data.
* Can work efficiently, independently and in a team environment setting.

**TECHNICAL SKILLS:**

**SAS Tools:**  SAS V9.1.3; 9.2, Base SAS, SAS/SQL, SAS/MACROS, SAS/STAT, SAS/GRAPH, SAS/ODS, SAS/BASE SAS/ACCESS, SAS/CONNECT, SAS/QC, SAS/SQL, SAS/EG

**Operating Systems:** Windows 2003 Server, Windows NT/2000/XP/7, UNIX AIX.

**Databases:** Oracle 10g, Netezza, MS SQL SERVER, FACETS 4.7.1/5.0.0, DB2 & MS ACCESS.

**PROFESSIONAL EXPERIENCE:**

**BCBSMA – Boston, MA** Mar 2012 – Present

**Role: Sr. SAS programmer/analyst**

Worked for the Analytics team, to update the regular reports and providing solutions for the ad-hoc requests. These reports required for NCQA HEDIS & Performance measurement.

**Responsibilities**

* Work with large volumes of claims data, predominantly maintaining the reporting data base and ensuring its data quality and integrity.
* Investigated missing data and the data anomalies by creating edit checks for SAS data sets imported from databases and other servers.
* Extensive use of **SAS Macros** to modify hard coding in existing programs into Automatic process through an excel sheet.
* Unit tested the results between Pre and Post changes.
* Generated reports validating changes between pre and post modifications.
* Worked with configuration assessment team to recommend a strategy to reconfigure the **Facets** database.
* Created data extracts from **Facets** for Oracle reporting database
* Provided programming support to compress data from a multiple sources into a single table using **Arrays** and **Do Loops**.
* Manipulated large data sets. Increase programs efficiency. Responsible for data entry and conversions, data validation and corrections.
* Connected to database using PROC SQL PASS-THROUGH and LIBNAME statements to update, retrieve and modify the data.
* Extensively used **SAS/CONNECT** to use data from PC and Servers.
* Perform analysis of data using **PROC MEANS**, **PROC SUMMARY** and **PROC FREQ**. Created and updated permanent SAS formats for future analysis and reports using **PROC FORTMAT**.
* Used various **PROC SQL** techniques to update datasets, combine, and join various datasets efficiently.
* Created new **macros** and updated existing macros in the current macro library to improve efficiency of old SAS programs.

**Environment:** **SAS9.2, SAS/ODS, SAS Enterprise Guide 4.2, SAS/Macros, SAS/Graph, SAS/Access, SAS/Connect, SAS/Stat, Db2, Teradata, Facets, MS Excel, MS Access, Windows.**

**Kaiser Permanente -- Los Angeles, CA** Oct 2010 – Feb 2012

**Role: SAS Consultant/Analyst**

Worked with Data Base Management team to maintain SAS tables in data warehouse adhering to company’s standards.

**Responsibilities**

* Created Data transformation and Data Loading (**ETL**) scripts for Data Warehouses.
* Modified tables in warehouses according to business user requirements using **SAS/BASE** and **SAS Macros**.
* **Documenting** of service requests by business users, developed code documentation, logs and outputs documentation, creating Test Plans and Production Release Notices for QC, QA and Production teams to perform further analysis.
* Extensively used **PROC SQL** for column modifications, field populations on warehouse tables.
* Additional responsibilities being Requirements gathering, Designing, Coding and Analysis, Testing, Debugging, Output generations in prescribed formats, extensive documentation of SAS Programs and Macros.
* Proficiently used SAS procedures like **PROC SQL** to extract data from different relational database management systems and used SQL Assistant to analyze and query from the Teradata DB.
* Experience in Data Conversion and Data Migration using **SSIS** across different databases like **Oracle**, **MS access** and **flat files**
* Good knowledge in developing and designing reports through **SSRS**
* Performed extensive Data Cleansing during the ETL's Extraction and Loading Phase by developing SAS Program including complex reusable Macros analyzing the raw data.
* Created SAS programs on **UNIX** platform to clean the data according to the specifications.
* Extracted, transformed and loaded data from large **Teradata** tables by including SAS code in Data step, Passed parameters in shell script to read daily and on request jobs to reduce complexity of business process.
* Created and maintained large data sets, combined data from various sources in varying formats to create SAS datasets, Performed data analysis, statistical analysis.
* Used SAS Data Step logics to **Sort, Merge, Stack, Update** and Interleave datasets for producing required analysis of data and used SAS Business Intelligence to produce reports as per requirements.
* Extracted customized reports from complex data sets using **PROC SQL, PROC FREQ, PROC SORT, PROC REPORT** and **PROC MEANS** for creating a preferred list of customers as per the given requirements from business analysts.

**Environment**: **SAS 9.2, SAS/BASE, SAS/MACRO, SAS/SQL, SAS/STAT, SAS/CONNECT, SAS/GRAPH, SAS/ODS, MS Excel, MS Visio, MS Project, Teradata, Oracle9i, UNIX, Enterprise Guide**.

**Octagon Research, King Of Prussia, PA** Aug 2009 – Sept 2010

**Role: SAS Programmer / Analyst**

Project was involved in analysis of clinical data to evaluate and confirm the safe dosing range, safety and efficacy of Rheumatoid Arthritis molecule.

**Responsibilities:**

* Imported data from flat files, oracle database with the SQL pass-through facility and created analysis SAS data sets.
* Generated SAS batch programs and generate log files, list files and reports in desired directories by passing parameters using UNIX shell scripts.
* Performed data management functions including manipulation, validation, review and export to database, missing values were read using **MISSOVER** and **TRUNCOVER** options.
* Proficiently used SAS system macros for error handling, code validation, date stamping of log files, collected files to a given directory and scheduling.
* Developed new SAS Macro programs to analyze the data and improve the reusability of the codes.
* Created Customized Reports using the **Data \_Null\_** technique created Analysis datasets, and performed validation before report generation using base SAS programming.
* Effectively utilized SAS procedures like **PROC SQL, PROC FREQ, PROC MEANS and PROC REPORT** for data analysis and generate reports, **Ad-Hoc Reports** for various business requirements.
* Responsible for accurate and timely data analysis and submissions.
* Estimated and performed feasibility analysis on every service request and accordingly negotiated and prioritized client requests after discussion with the Onsite Coordinator.

**Environment:** **SAS 9.1.3 on Unix with following modules, SAS/BASE, SAS/MACRO, SAS/ODS, SAS/GRAPH, SAS/SQL, SAS/ACCESS, SAS/CONNECT, SAS/STAT, PL/SQL, MS Office, Teradata, Oracle, WINDOWS, UNIX.**

**Bank of America, Dallas, TX** Oct 2007 – Jun 2009

**SAS Programmer/Analyst**

**Responsibilities:**

* Analysis of housing trends and review mortgage product characteristics such as underwriting parameters, closing costs, mortgage insurance, qualification rules, rate sheets and price adjustments.
* Performed statistical analysis and data management on study data by utilizing appropriate statistical methods using SAS and SAS tools.
* Assist in the creation of quantitative and qualitative primary research and present the findings.
* Work closely with different Marketing Groups in designing and analyzing the data
* Comparison of loan default counts and loan default probabilities categorized by several financial variables for different financial models.
* Produce reports to support analysis of loans status including Performing, Delinquent, and Foreclosures.

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| * Generated reports for short sales and perform the analysis of uniform appraisal data also the status of severity. |

* Working with the Lenders and Appraisers to Support continued successful compliance with the appraisal dataset.
* Integrating results of the Credit Risk Analysis, Price Elasticity and other advanced analyses into business planning process.
* Experience with Unix Shell Scripting to create shell scripts for batch running of SAS programs.
* Development of macros to provide transformation variables from a single input variable.
* Search for meaningful patterns, trends, and relationships by sifting through large amounts of data.
* Extracted, performed validation and generated SAS data sets from oracle; applied SQL Pass through Facility.
* Designing and improving huge data pulls in SQL and manipulating and analyzing data in SAS.
* Validating SAS datasets using SAS procedures like PROC Means, PROC Frequency, PROC Univariate, and PROC Rank.
* Having extensive skills in using procedures such as PROC APPEND, PROC IMPORT, PROC SUMMARY, PROC CONTENTS, PROC SurveySelect, PROC Transpose and PROC SQL.
* Used SAS DATA \_ NULL\_ and PUT statements to create the customized reports.
* Having experience with ODS output and ODS TAGSETS.
* Compare the source data with historical data to get some statistical analysis.
* Perform statistical analyses and QC statistical output.
* Skills Performing transformations like Merge, Sort and Update etc to get the data in required format.
* Ability to extracting data from large tables of raw data.
* Strong knowledge of database environments like Oracle, DB2 and Sybase.
* Having experience in the SQL tools like Rapid SQL, Toad and SQL Developer.
* Extensive experience in preparation of reports, tables, listings and graphs.
* Used winscp to transfer EXCEL AND CSV format files from UNIX environment to windows.
* Perform other duties and responsibilities as requested or required.

**Environment: SAS, BASE/SAS, SAS/MACRO, SAS/SQL, SAS/CONNECT, SAS/ACCESS, SAS/ODS, Oracle 11g, Sybase, DB2, UNIX and Windows 2003/XP.**

**GVK Biosciences, Hyderabad, INDIA** Jan 2006 – Sep 2007

**Role: Associate SAS programmer**

GVK Biosciences (GVK BIO) is Asia’s leading Discovery Research and Development organization. GVK BIO provides a broad spectrum of services, stand-alone and integrated, across the R&D value chain. GVK BIO’s discovery services consist of Chemistry, Biology and Informatics; the development services include Clinical research, Clinical pharmacology and Process R&D.

**Responsibilities:**

* As a SAS Programmer provided programming support for the data management and reporting of Clinical Trials data.
* Acted as liaison between programming team and data management team for to understand analysis data definitions and summary table and listing specifications as related to SAS programming tasks.
* Worked closely with Clinical Data Management to support data integrity checks and adherence to data definition standards.
* Extracted data from various data sources and performed quality checks to create **Analysis data sets**. Generated derived variables for the analysis datasets using various functions and procedures.
* Extensively performed **sorting, indexing, merging** on the clinical data and generated reports. Performed Data analysis and generated reports and listings using SAS procedures such as **Proc Means, Proc Tabulate, Proc Freq, Proc Summary, Proc Report.**
* Developed and extensively used existing SAS macros for Validation, Analysis and Report generation. Created reports in various other formats like **PDF, HTML, RTF** using **ODS** statements and **PROC Export**.

**Environment: SAS 8.2, Windows NT, UNIX, ORACLE, SQL, SAS/BASE, SAS/STAT, SAS/GRAPH, SAS/SQL, SAS/ACCESS.**