**Professional Summary**:

* 11+ years of professional experience in SAS and SQL programming and developing in different industries that include Financial, Banking, Risk management, Retail, Logistics, Healthcare Insurance.
* Experience working in SAS Business Intelligence (BI) platform with Enterprise Guide, Stored Process, Information Map Studio, Microsoft Add-In, Dashboards, OLAP Cubes, DI Studio and Web Report Studio.
* Worked on SAS datasets using the ETL concepts to increase the overall performance. Also familiar with the concepts of OLAP, Stored Procedures.
* Experience in importing data from Oracle and Teradata databases using SQL Pass-Through facility and SAS/ACCESS LIBNAME statement
* Experience in Base SAS, SAS/Stat, SAS Macros, SAS/Graph, SAS/Connect, and SAS/Access on Windows and UNIX platforms and competence in carrying out statistical analysis of large-scale data.
* Experience in using data steps in SAS for creating, maintaining and manipulating datasets.
* Experience in using various statistical procedures in SAS such as Proc SQL, Proc Sort, Proc Freq, Proc Univariate, Proc Means, Proc Transpose, Proc TEST and Proc Import.
* Modified existing SAS programs and created new SAS programs using SAS Macros to improve ease and speed of modification as well as consistency of results.
* Quality assurance procedures of other programmer’s work, validating, debugging, documenting and optimizing SAS programs for QC and QA testing.
* Using ODBC to connect SAS System with relational database management systems, such as Microsoft SQL and Oracle, to retrieve data and create SAS datasets.
* Excellent experience with export SAS Results to different format, such as XML, Excel using SAS/Export, SAS/ODS for reporting and presentation.
* Proficient in creating and maintaining many datasets using Array, Merge, Update, Set and Proc SQL.
* Effective communications liaison between business and technical groups, creative and resourceful, problem solving with excellent decision-making capabilities.
* Self-motivated individual with strong technical & analytical skills. Always keen and eager to face up to challenges by means of novel and innovative ideas.
* Skilled in SAS programming, merging SAS datasets, preparing data, producing and validating reports, SAS formats, and managing data.
* Proficient in managing and creating the dashboards using Tableau and Power BI.
* Have experience in different databases like Oracle, MS SQL Server, DB2 and Teradata.
* Leverage technology and business process skills to generate innovative solutions to address client business problems.
* Experience using SQL for simple to complex data manipulation for report generation and produced Audit.
* Skilled in Python and good understanding of R language.
* Trial listings for data management group. Experience in debugging and testing SAS programs to check and process data.
* Experienced in business terms like Basel compliance, equities, fixed income, and risk management.
* Expertise in statistical, quantitative, and analytical data in financial sector.
* Experience in Quality Center - design test steps, requirement mapping to tests, executing tests manually, defect logging, and defect reporting.
* Excellent communication, analytical and interpersonal skills.

**Technical Skills:**

|  |  |
| --- | --- |
| **Operating system** | MS-DOS, Unix/Linux (Shell Scripting), Windows, Mac OS. |
| **SAS** | * Base SAS, SAS/MACRO, SAS/SQL, SAS/STAT, SAS/GRAPH and SAS/ODS, SAS/Access, SAS Enterprise Guide, SAS Business Intelligence, SAS AML 6.3, SAS DI Studio, SAS Management Console, SAS 9.0, SAS Grid, SAS Visual Investigator |
| **Dashboard & Visualization Tools** | Tableau, Power BI, Spotfire, SAS VA |
| **Databases** | * Oracle PL /SQL, Teradata, Microsoft SQL Server, DB2, MS Access. |
| **ETL Tools** | * SAS DI Studio, SQL Server Integration Services SSIS |
| **Applications** | MS Office Suite, Advanced Excel (Pivot Tables, VBA, VLOOKUP), MS Visio. |
| **Build and Deployment Tools** | Jenkins, UCD (Urban Code Deploy), Harness |
| **Version Control System** | GIT, SVN |
| **Methodologies** | Agile, Waterfall |
| **Programming Languages**: | SAS, Python, SQL, R |

**Professional Experience:**

**Role: Sr SAS/SQL Developer/Data Engineer**

**Client: Wells Fargo, Charlotte, NC Feb 2020 – Present**

**Description:** As part of CBAA (Consumer Banking Alerting and Analytics) project, working for business teams to mitigate the potential fraud and risk involved in WF community banks by developing different strategies and scenarios using SAS ETL, SAS SQL techniques.

**Responsibilities:**

* Provide application design guidance and consultation, utilizing a thorough understanding of applicable technology, tools and existing designs.
* Analyzes complex business requirements, designs using SAS and writes technical specifications to design or redesign complex applications.
* Provides coding direction in SAS, SQL to less experienced staff or develops highly complex original code.
* Develop SAS code to create various financial reports as per business requirements and created various reports like Summary reports, Tabular reports etc.
* Extensive use of PL/SQL to perform complex joins between various tables from different data sources.
* Acts as an expert technical resource for modeling, simulation and analysis efforts.
* Verifies program logic by overseeing the preparation of test data, testing and debugging of programs.
* Extract data from several databases including Oracle, SQL Server, Teradata and other external files using SAS/Access, SAS/SQL pass through facility, Libname statements, and Proc Import procedure and via SAS Data steps. Perform Data quality checks on Enterprise Data Warehouse loads on daily basis.
* Lead the Kanban team effectively to complete the stories and meet the deadlines as part of the 2 week sprint releases.
* Oversee overall systems testing and the migration of platforms and applications to production.
* Develop new documentation, departmental technical procedures and user guides.
* Implemented data visualization dashboards in Python (Matplotlib, Seaborn) to track key business metrics.
* Monitor, schedule and report jobs/tasks using AutoSys tool, a multi-platform automated job control system with any single command or executable or a UNIX shell script.
* Integrated data using SAS Data Integration Studio for an end-to-end SAS data-mart solution for analytics and reporting.
* Work in SAS VI for Alert Generation process and analyze missing alerts for the developed strategies.
* Assures quality, security and compliance requirements are met for supported area and oversees creation of updates to and testing of the business continuation plan.
* Work in Sprints for every release in an Agile environment.
* Manage the SAS Grid and other applications, mitigate escalations and fix Production issues. Be on call for a week once a month.
* Applied Python-based dataanalysis techniques to large customer transaction datasets for segmentation and trend analysis.
* Dedicated resource for non-prod deployments using Jenkins for build and UCD/Harness for code deployments in lower environments (DEV, SIT and UAT).
* Perform SAS Code reviews for QA Validation and multiple environments implementation approvals.
* Validate SAS code by testing/running jobs in DEV, SIT and UAT before moving it to production for every release.
* Created Python scripts for batch processing of financial data, improving reporting efficiency in a high-volume data environment.

**Environment**: SAS SQL, SAS GRID, Python, Teradata, Oracle SQL Developer, SAS MACROS, Microsoft SQL Server, UCD, AutoSys, JIRA, SAS Data Integration Studio.

**Role: Sr Application programmer Analyst**

**Client: Citibank, Jacksonville, FL Dec 2018 – Dec 2019**

**Description:** As part of Citi’s KYC (Know Your Client) program, I have been part of CSSU’s (Cards Services Support Unit) AML/KYC Compliance team working as a SAS/SQL developer to streamline and consolidate the reporting efforts for the CSSU and working extensively on the integration of large data sets of Financial Crime data (AML/Sanctions) into Oracle.

**Responsibilities:**

* Develop and maintain reporting systems on behalf of the NA Cards AML Program Team as well as business operations partners.
* Work closely with cross functional teams such as CORE and OASIS within the Citigroup to help support the cards dashboard and provide subsequent reports and metrics to MIS scorecards.
* Created complex and reusable Macros and extensively used existing macros and developed SAS Programs for Data Cleaning, Validation, Analysis and Report generation.
* Serve as subject matter expert for multiple work streams related to AML/KYC policy and procedures.
* Responsible for providing Citi Branded Cards data using SQL from different source systems and repositories based on the management priorities in a timely manner.
* Developed Python-based automation scripts to optimize existing SAS workflows, improving execution speed and efficiency.
* Created dynamic Tableau dashboards blending data from MS SQL Server, Excel, and CSV files, providing real-time insights into Sweet Spot and RFQ analysis.
* Used **Pyth**on's Pandas and NumPy for efficient data wrangling and manipulation in large datasets.
* Schedule, monitor and report jobs/tasks using AutoSys tool, a multi-platform automated job control system with any single command or executable or a UNIX shell script.
* Create ad-hoc reports from the SAS EG large data sets and develop pie charts and pivot tables as needed by the senior management groups/ Data managers (DM).
* Coordinate new data development which includes the creation of new structure to meet business requirements or streamline and centralize existing processes to reduce overload on the existing Operational effective reporting teams
* Created SAS codes in SAS EG (Enterprise Guide) to create temporary datasets containing test data to be used by product owners to test the various scenarios to verify the accuracy of data loads.
* Perform data extraction from multiple data sources (Teradata, COGNOS Reporting, SAS EG), data analysis and prepare various production and ad hoc reports in EXCEL to support risk adjustment initiatives and strategies.
* Extensively designed Data mapping and filtering, consolidation, cleansing, ETL, and customization of data mart.
* Utilize ODBC for establishment of connectivity to Teradata & MS Excel for automating reports and graphical representation of data to Business and Operational Effective teams.
* Execute SAS programs in UNIX batch mode that streamlines the SAS processing.
* Used SAS DI Studio to develop various job processes for SAS ETL.
* Implement a long-term vision for end-to-end metrics reporting regarding all areas of AML/KYC activities occurring within the NA Cards business.

**Environment**: SAS, SQL, Pythion, Teradata, Python, Tableau, Cognos, SAS MACROS, UNIX SAS Grid, Microsoft SQL server, AutoSys, Python.

**Role: SAS Developer**

**Client: FedEx Services, Memphis, TN Aug 2017 – Nov 2018**

**Description:** Integrated huge country wise customer data for both FedEx and TNT in order to create synergies between the existing customers that leveraged in making optimized decisions.

**Responsibilities:**

* Analysed and consolidated the integration procedure of enormous FedEx + TNT customer data that belonged to cross functional teams using SAS and SQL.
* Designed several Shell Scripting programs to automate the SAS jobs that run on a weekly basis.
* Developed customized code in SAS to create consolidated customer reports that displays relevant attributes for FedEx + TNT for analysis.
* Created the SAS job to run nightly to create the updated SAS datasets using SAS/data Integration studio.
* Developed Stored Procedures to validate and prepare the data for analysis.
* Handled large Sweet Spot and RFQ analysis that involved large customer transactional, segmentation and territory data by creating dashboards and visualizations to observe trends.
* Automated the customer integration reports in SAS that reduced the overall time by 15% to 20% by writing complex SAS code that helped in identifying the key customers.
* Interacted with Subject Matter Experts (SME) and Business Analysts to understand the functional requirements and key performance indicators (KPI).
* Created customized VBA in Excel to manually review huge amounts of Data for finding trends and similarities and errors.
* Leveraged **R for exploratory data analysis (EDA)**, identifying key trends in business and fraud detection projects.
* Developed cross platform adhoc reports using SAS/SQL and Python and apply new modelling methods to the enterprise data in Teradata
* Migrated Code from SAS to SQL Server to help in the overall generation of reports and to reduce workloads. Perform data mapping from source to target.
* Created various dashboards in Tableau desktop based on the data collected from zonal and compass, while blending data from MS-excel and CSV files, with MS SQL server databases.
* Extensively used SAS macros and SAS scripts to merge dataset, indexing, data aggregation, record selection, multiple records, creation and modification of views, accessing databases.
* Involved in extracting the data and performed quality-checks using stored procedures in SAS.
* Created Macros to enhance the process of manually reviewing the large customer information.

**Environment**: SAS SQL, VBA, Teradata, Tableau, UNIX, Shell Scripting, Microsoft SQL server, Power BI.

**Role: SAS Programmer**

**Client: UHG, Minneapolis, MN Feb 2017 – May 2017**

**Description**: UHG is one of the nation's leaders in health care, dental, pharmacy, group life, and disability insurance, and employee benefits. I worked on membership and claims data and was involved in the complete software development life cycle of the project. In this project, the first phase was migration of data from client data warehouse servers to application environment, second phase was to transform the required tables and flat files to SAS datasets; the third and final phase was to develop SAS analysis datasets and reports.

**Responsibilities:**

* Extracted data from the database using SAS/SQL, SAS/Macros from different databases such as Teradata, Oracle.
* Reviewed market data to verify integrity and consistency for completeness, accuracy and suitability and implemented business logics to solve the performance issues.
* Retrieved the data from flat files received from the vendors and converted to SAS data sets using SAS/STAT procedures.
* Used SAS for analyzing the PBM datasets in SAS EG.
* Uncovered over 100MM in additional claims with improved crosswalk coding techniques.
* Successful in building Data Warehouses in SAS on an AIX/IBM mainframe, as well as Business Objects for Claims, Provider, Pharmacy, Members and other subset tables.
* Extensively read different forms of Input files like CSV and other formatted files using Infile and Proc Import and documented using SAS scripting to develop data cleaning operations.
* Created Macros and used macros created by other users.
* Used SAS/ODS to generate reports on HTML web format as well as in RTF and PDF.
* Created reports using analysis output and exported them to the web to enable the customers to have access through Internet.
* Used SAS, SQL, Oracle, Teradata and MS Office analysis tools to complete analysis requirements.

**Environment:** SAS/Base, SAS/Access, SAS/Macro, SAS/SQL, SAS/Graph, SAS/STAT, SAS/Connect, MS SQL Server, DB2, and Windows.

**Role: Jr SAS Programmer**

**Client: Environ Software Pvt Limited, India Aug 2012 – Jul 2014**

**Description:** Analyzed the retail data and visualized the customer information and patterns to create various reports using SAS and SQL that helped in making robust decisions.

**Responsibilities:**

* Designed and developed the complex Packages, procedures, functions, triggers using SQL efficiently in loading, validating, and cleansing the data.
* Developed SAS programs using Proc Tabulate, SAS Base that enabled users to generate reports on Daily/Weekly/Monthly/Quarterly/Annual reports.
* Worked extensively on tuning of SQL code using various tools like explain plan, SQL tuning advisor and SQL trace to enhance the performance.
* Created SAS data mining and scoring data sets form source tables by programming in BASE SAS.
* Customized existing SAS programs and created new programs using SAS/Macros to improve the consistency of the results.
* Involved in Analyzing, designing, building, testing of OLAP cubes with SSAS 2005 and in adding calculations using MDX.
* Compiled statistics and created detailed reports and graphs for management and customer review using SAS/Graph, SAS/Macro and SAS/Report.
* Worked on creating enterprise wide Model EDM for products and services in Teradata Environment based on the data from PDM.
* Correlating and presenting weekly or monthly data to senior management.

**Environment**: Oracle, Teradata, MS SQL Server 2008, MS SQL Server, SAS, SSRS.

**Role: Data Analyst**

**Client: Teamzet Technologies, India Jun 2011 – May 2012**

**Description:** The project I was involved dealt with accessing different type of data sources, maintaining and analyzing records. SQL techniques were applied in data management and data reporting to get the desired results.

**Responsibilities:**

* Involved in complete Software Development Lifecycle (SDLC).
* Wrote complex SQL Queries, Stored Procedure, Triggers, Views & Indexes using DML, DDL commands and user defined functions to implement the business logic.
* Advised optimization of queries by looking at execution plan for better tuning of Database.
* Performed Normalization & De-normalization on existing tables for faster query results.
* Wrote T-SQL Queries and procedures to generate DML Scripts that modified database objects dynamically based on inputs.
* Created SSIS package to import and export data from various CSV files, Flat files, Excel spread sheets and SQL Server.
* Designed and developed different types of reports like matrix, tabular, chart reports using SSRS.
* Maintained positive communication and working relationship with all business levels.
* Coordinating with onshore/offshore & stake holder’s team for task clarification, fixes and review.
* Reviewed, analyzed and implemented necessary changes in appropriate areas to enhance and improve existing systems

**Environment**: MS SQL Server 2005/2008, SSRS, SSIS, MS Visual Studio, UNIX, T-SQL.

.

**Education:**

* **Masters in Information Systems and Management,** Marist College, NY, USA. **Aug 2014 – Dec 20 16**
* **Bachelors in Computer Science and Engineering,** AIIT, Hyderabad. **Jul 2006 – May 2010**