**CARL J. STARKS**

***SUMMARY:***

* Approximately 25 years of experience using SAS ( SAS MACROS,SAS DATA STEPS, SAS FUNCTIONS And SAS PROCEDURES)
* Experienced SAS Program Developer, Report Developer and Database Marketing Analyst.
* Proficient in SAS (UNIX, Enterprise Guide, SAS PC and Mainframe environment),
* Strong DB2 and Oracle Database skills using SQL to retrieve, analyze, developed models, statistical reports and related information by accessing current & historical data from a variety of sources.
* Experienced SQL, Toad, Command Control, QMF and Microsoft office skills.
* Experience in designing and implementing finance Predictive models.
* 10+ years served as a project leader, established and communicated the project objectives, assigned work to others, monitored the progress of the assignments, provided guidance and instruction as needed to members of the group, evaluated and/or rewarded the contributions of the individual team members, and assured that the project objectives were successfully met.
* 10+ years’ experience working as a team/technical lead.
* 7+ years working with CMS data including NCH, Medicaid and Medicare data.
* 5+ years experience working in the financial services industry developing & delivering statistical and quantitative analysis, in Risk management, Residual, Remarketing and Accounting.
* 8+ years experience working in Marketing building databases and reporting systems using survey, transaction and pos data.
* Experience with full SDLC and Data Management
* Excellent communication skills and proven ability to interface with all levels of management, users and production personnel.

***EXPERIENCE:***

***Lead SAS programmer/Consultant*** **02/2010 – Present**

Project-Advancemed/CMS

**Accomplishments:**

* Automated the Monthly data refresh programs using UNIX scripts and X commands in SAS to call and run other SAS programs. Also added error handling routines in the SAS code to check the record counts for QC validation and to assure that there were no errors before the next program was called and submitted.
* Extract data from CMS Teradata database where some tables contain over a trillion rows, using SAS Enterprise Business intelligence (SAS EBI) Suites of products.
* Produce queries, add filters (simple and nested), utilize SAS tasks, create table joins and build stored processes from complex process flows
* Automated the manual process of hard coding date fields in their ETL processing jobs by creating a macro that is used to calculate all possible date fields needed to run the majority of the company production jobs. Wrote code that is used to convert over 1 billion medical claims of Medicaid/Medicare raw input data into our SAS data warehouse, utilizing SAS version 9.2. The programs were written using SAS data steps and SAS macros running on a Unix Sun Metadata server network.
* Found and corrected errors in the programs of their new ETL process which had been a problem for the company for over a 3 month period and prevented them from putting the new process into production, it took me only 2 hours to find and correct the problems.
* Developed UNIX SAS programs to produce analytical datasets for the Advancemed analyst for the use of Medicare/Medicaid fraud reporting, also created adhoc SAS programs for CMS to determine the validity of data that was used to imprison doctors for defrauding the government of millions of dollars. PC SAS in a Windows network environment was also used to facilitate development and testing the code.
* Given, and at times taken over the responsibilities of all coding projects, where the programmers assigned the project were not going to meet the deadlines or where the programs were deemed too complicated for the company SAS programmers to code. Responsible for the peer review and code walk through of all new programs and coding changes made by the company programmers, this included Mainframe and Unix SAS programs.
* Wrote and ran NDM jobs to download data from mainframe environment to UNIX for data conversion. Created macros that can create the put statements and position of data for output text files and also read in COBOL copy books and create SAS input statements and calculate the position of each field. This save the programmers a lot of time since they had to create input statement for files that had over 2000 fields.
* Conducted peer reviews of COBOL program changes and JCL changes in the mainframe systems. Responsible for helping with the technical interviews of potential new SAS hires both Junior and senior level programmers, with my opinion being one of the determinant factors in the hiring decisions.

***Sr. Analyst/Consultant, Independent,*** *IL* **05/2009 – 09/2009**

Project-Embracing Change

**Accomplishments:**

 Analyzed their historical and current financial data to help determine the feasibility for the company to expand their market base. This included writing SAS programs to pull data from flat files and SAS datasets as well as exporting this information into excel to create spread sheets and graphs.

 Created and analyzed positive and negative lists of characteristics of legitimate virtual customers and fraudulent customers to determine the risk of potential fraud and/or fraudulent behavior.

**Sr. Consultant,** **08/2007 – 05/2009**  
Project-CAREMARK

**Accomplishments:**

* Worked in IT Clinical Operations Dept writing SAS programs and macros in SAS version 9.1.3 and creating a reporting system using Oracle and DB2 databases. Wrote SQL in SAS programs to extract pharmaceutical data from both Oracle and DB2 databases using left, right, inner, and outer joins to multiple tables in SAS Enterprise Guide on UNIX AIX release 5.
* Used Enterprise guide to write, test, and debug programs and also to ftp programs and files from PC to UNIX environment.
* Created SAS macros to pull claim data from DB2 and Oracle tables using SQL, Proc SQL, sequel pass through and SAS macro variables.
* Involved with developing test plans and performed the integration, systems and regression testing for the new system.
* On the team involved with version control using dimensions change man in moving all code from the test environment into production and doing the full system production testing
* Responsible for analyzing, extracting and writing business rules and documentation from existing SAS programs and macros of the Hercules 2.0 reporting system and programs from a new acquisition. Rewrote, Converted and migrated all Mainframe SAS/DB2 programs into SAS/Oracle programs on a Unix platform, which included creating Production, Test and Macro libraries. Created test cases, evaluated test results, ran parallel test and documented programs and test results**.**
* so that the system could be rewritten and enhanced with the new acquisitions. Refined the analytic methodology of the current system in order to incorporate methods used in the new acquisition. Involved with the data quality, data conversion and data integrity of the data inherited from the new acquisition.
* Responsible for updating and maintenance of the Hercules 2.0 reporting system which is used for the distribution and retrieval of clinical communication content.

 Wrote some of the business requirements and detail documentation for the new Hercules 2.1 reporting system

**Sr. Consultant,** *Neuvista, IL* **02/2007 - 06/2007**Project-HSBC

**Accomplishments:**

* Responsible for writing SAS adhoc reports for the e-marketing and e-mortgage departments.
* Responsible for updating and maintenance of the leads daily SAS reports on a mainframe(using TSO, ISPF) and PC environment and rewriting SAS programs and JCL so they could be put on the scheduler.

 Flow charted and rewrote the business requirements that were used to create a complicated SAS reporting system that had over 75 SAS programs. Also responsible for explaining how particular numbers were produced and answer any other questions that management here and aboard had about the reporting system.

 Worked with risk management with data analysis to create programs to assist with potential and actual mortgage application fraud.

**Sr. Consultant,** *Infovision, Texas* **06/2006 – 01/2007**Project- Citigroup

**Accomplishments:**

* Responsible for writing adhoc reports for the accounting, marketing and Risk departments.
* Responsible for creating promotional and statistical monthly reports for all the clients in the marketing department using SAS data sets which contained over 800 million records of current and historical data.
* Created reports for the promotions/marketing department that analyzed the consumer data to determine the effectiveness of a particular credit card promotion utilizing control and non-controlled samples.
* Wrote SAS programs based on mathematical and statistical formulas to create data files to export to excel in order to do data analysis on credit card worthiness, credit card fraud and credit card promotions.
* Wrote adhoc reports, made changes to SAS **Monte Carlo** system, created graphs and data for Risk department based on requirements to show the potential for credit card fraud.

**Project leader,** *Synovate, Chicago, IL* **03/2003 - 04/2006**

**Accomplishments:**

* Project leader responsible for resolving and answering all complex programming and data issues that could not be resolved by Technical leads and programmers in the production Dept. Established and communicated the project objectives, assigned work to others, monitored the progress of the assignments, provided guidance and instruction as needed to members of the group, evaluated and/or rewarded the contributions of the individual team members, and assured that the project objectives were successfully met.
* Developed goals, milestones, and work plans, balancing and distributing employees' workload, evaluated job performance, mediated/or negotiating resolutions to employee problems and conflicts, recommended employees for recognition, promotion, developmental training, and recommended and hired new employees.
* Responsible for the full SDLC and Data Management for all new acquisitions acquired by the company.
* Designed, created and managed a version control system for the company production systems.
* Trained a team of business analyst on how to code in Base SAS and use SAS Procedures and how to follow business policies creating memorandums and documentation.
* Helped with leading the negotiations for outsourcing projects such as software systems and hardware infrastructure. I plan the negotiation strategy, coordinate the strategy with the negotiation team, and lead the negotiations with the contractors to develop the contract prices and terms and award the contract. This was a regular and recurring task involving the project manager, CIO and CFO.
* Promoted to Project Lead from Team/Technical Lead after working just 6 months with the company.
* As Tech Lead created a reporting system for major client with over 50 programs that created such reports as Customer Response Reports, Rank Reports and other Statistical Reports from Sears Survey data using Oracle, SQL, and SAS in a pc and UNIX environment. All data used in creating these reports were extracted from Oracle Tables using SQL that included SUBSETS and JOINS. All reports were user specific and produced using the FILE, HEAD and PUT statements.
* Helped the sales team with negotiating and securing a 10 million dollar contract with Sears to maintain and create their databases and reporting systems.

 Responsible for the data management, the creation and design of a data base and reporting system for Jack in the Box using flat files that contained over 100 million transactions records. Created consumer response reports by using survey data collected, this data was used to reward individual restaurants which had the most positive consumer response. Created reports based on geographic location to determine if a product should be offered/sold, based upon the history of consumer consumption. Analysis report was developed displaying consumer preference in regards to common condiments usage.

**SAS Developer Technical Lead,** *Trilogy consulting* **02/2000 - 02/2003**Project – G.E. Capital:

**Accomplishments:**

* Correcting and enhancing SAS programs and following up and checking work completed by other Trilogy employees as well as answering all SAS related questions for the residual department at GE CAPITAL. Conducted technical interviews for new SAS consultants coming into the department, as well as looked upon for advice for hiring in some of the other departments.
* Designed a (1 year, 5 year) finance point Predictive model and Monte Carlo Simulation to forecast the Canadian portfolio term residual losses, Created reports showing Planned VS Actual financial reporting, coordinated, programmed, tested and executed SAS code for data output Using SAS DATA step and PROCS: TABULATE, UNIVARIATE, MEANS, PRINT, FREQ, SORT, FORMAT, and SUMMARY. Also used Routines and Functions such as RANUNI, RANTRI, and RANTBL within SAS Macros I created.
* Provided programming support and adhoc reporting for the Finance, Risk, Residual, Remarketing, and Accounting departments using all aspects of the SAS Language. Implemented statistical formulas and assumptions written by the statisticians into the SAS code.
* Developed a monthly variance analysis data system for the Canadian portfolio to measure key variances between plan and actual.
* Learned UNIX with minimal training and led the team in the Migration and conversion of all residual programs from Mainframe SAS to UNIX. This included creating the staging area, Test libraries, Production libraries, and Macro libraries. Created test plans, Test cases and ran parallel test to validate results.
* Received award from VP at G.E. Capital for 5 days of seminars and classes, I conducted for their European division on how the planning system, budgeting system and financial Predictive Modeling(Monte Carlo)worked at the U.S. division and for helping them redesign and implement their new planning system in a timely manner.

**Principal Consultant,** *Ajilon Fairburn, GA* **08/1998 - 02/2000**  
Project – MCI:

**Accomplishments:**

* Main focus was leading the team that was assisting MCI on Y2K Projects. This included writing all required documents for Y2K compliance.
* Enhance and rewrote programs in both COBOL and SAS for MCI’s corporate billing system Using SAS DATA step and PROCS: PRINT, FREQ, MEANS, SORT, TABULATE, and FORMAT.
* As team lead I was on 24 hour call and availability to assist customers, users and team members with any issues they were not able to resolve.

**Principal Consultant,** *Keane Inc. Lisle, IL* **01/1997 - 08/1998**Project-Common Wealth Edison:

**Accomplishments:**

* Promoted in less than a year from Senior Technical Consultant to Principal Consultant.
* Designed and implemented the on line portion of Common Wealth Edison new products and services system using; COBOL, C-LIST, DIALOG MANAGER, SAS, ISPF, ISPF-PANELS AND REXX. Used ISPF PANELS to design input screens for inputting data in an MVS environment C-LIST and REXX was used as data security to make sure information was entered correctly. COBOL was used to FETCH, UPDATE, or INSERT data into the DB2 tables. SAS was used for user specific reports using SAS DATA STEPS, PROCS: MEANS, FREQ, FORMAT, and TABULATE. Used HEAD and PUT to create actual report.
* Involved with the full SDLC of the Consumer Billing System for Common Wealth Edison. This include weeks of meetings with the VP's of Finance, Accounting, and Billing and their functional managers dealing with the functional requirements, definition and quality assurance of the system and data.
* Designed the relational database for Consumer Billing System, this include all data requirements for the DB2 production tables and test tables. Creating indexes, primary keys and secondary keys and data security. Interacting with the DBA to load tables and establish database security, size requirements, and to monitor query performance.

 Designed and wrote program specifications for the Consumer Billing System which was written in COBOL and DB2. Responsible for COBOL and DB2 code walk through for over 20 programmers to assure programs were written according to specifications and that any DB2 FETCH, UPDATE, INSERT, or COMMITS, were done correctly and efficiently as possible.

**Sr. Database Analyst,** *Direct Marketing Tech. Schaumburg, IL* **05/1993 - 07/1997**

**Accomplishments:**

* Convinced a client that a Database System would better suit their needs rather than a flat file system and resulted in an increase of revenue to $60, 000.00 per month for the client.
* Designed and developed Database Systems, Update Systems and Reports for the Database Development Department.
* Accountable for the company’s fourth largest client, this included interacting with the client, assuring production personnel completed the assignments correctly in a timely fashion, and writing spec for the programmers.

 Addressed logic errors in the Update Processing, which would have caused the company to lose the Client and resulting in a two million dollar loss.

**MILITARY**:   
USMC: COMPUTER OPERATOR **1982- 1986**  
H&MS24, MAG24 KMCAS Kaneohe Hawaii

**Accomplishments:**

* Corporal in charge of the second and third shift, running updates for aviation supply using the Honey Well GCOS6.
* Highest ranking student for USMC on base, in charge of mourning and evening drills.
* Graduated 1st out of computer operator school and given choice of duty station.

 Graduated 1st out of aviation supply school meritoriously promoted to LCPL and selected to attend computer operator school.

**EDUCATION:**

Masters (MBA): Feb 2012, Devry /Keller, University

Concentration: Marketing

Bachelor of General Science (BS): May 1986, Roosevelt University  
Major: Computer Programming Minor: Business Administration

**HARDWARE OP SYTEM:** IBM Mainframe, Windows, PC, UNIX, OS/MVS

**LANGUAGE SOFTWARE:** SAS, COBOL, FORTRAN, C, LOTUS, Word Perfect, DB2, ASSEMBLER, FOCUS, Micro-Cobol, Excel, EASYTRIEVE, ORACLE, Crystal Reporting.

**MISCELLANEOUS:** SQL, VSAM, TSO/ISPF, OS/JCL, Panvelet, File Aide, XPF, SYNCSORT, REXX, Dialog Manager, TOAD, Change Man