David Ryerson

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SAS Certified Advanced Programmer for SAS 9

SAS Programmer

SAS Certified Base Programmer / SAS Certified Advanced Programmer for SAS9

Professional Summary

- SAS Certified Statistical Programming professional with 15 years of experience in Pharma and Healthcare.
- Extensive experience in clinical trials reporting, solid knowledge of clinical procedures, medical and drug terminology, and clinical lab reporting.
- Thorough knowledge of SAS Output Delivery System, Proc Report, and Proc Template in generating various types of standard outputs for Clinical Study Reports.
- Served as lead programmer for all safety reporting including SMT meeting, DSUR, and PBRER reports.
- Developed and refined a number complex, integrated, SAS Macro programs for nightly download of Oracle Argus Serious Adverse Event data.
- Liaison for Biostatistics department with Information Technology group to maintain and improve reporting capabilities including SAS Stored Processes in SAS Add-in for Microsoft Office.
- DevOps capable with SAS Grid installation experience and SAS administration skills. Also have experience with installation of RStudio in Linux environment.
- Worked as study lead programmer in several Phase I cardiology studies and collaborated with Data Management to map Annotated CRFs to associated table shells.
- Successfully led development of ongoing reports for Data Safety Monitoring Boards and Data Monitoring Committees for several cardiology trials.
- Experience in both Oncology and Cardiology therapeutic areas.
- Working knowledge of FDA regulations, CDISC standards, and ICH guidelines.
- Equally comfortable in SAS, UNIX, and Linux programming environments.

Work History

IQVIA
Technical Developer | 2020: SAS development for large Pharma client on statistical tool bench (Python, RStudio, SAS and several smaller in-house tools). Regression testing for major releases of TFL tool has been primary focus as well as migration of SAS objects from AIX with Windows front end to all-Linux environment. Unit testing of existing TFL code when requested changes and enhancements are approved. Utilization of IBM ClearCase source control in all environments.

ARRAY BIOPHARMA (ACQUIRED BY PFIZER)
Statistical Programmer | 2018 to 2019: Statistical programming with focus on developing, validating and maintaining pooled safety datasets, tables, listings, and figures. Used python to consume SAS datasets (PK data) and expose to Spotfire developers for further reporting. Developed and improved SAS macros used by other programmers and statisticians in daily BDM work. Represented the statistical programming team at quarterly Safety Management Team meetings. Developed and created validation plan for SDTM and ADAM specs including validation of outsourced (CRO) deliverables, and their inclusion in our drug safety reporting process. Took on all drug safety reporting responsibilities including creation, improvement of PBRER, DSUR, and SMT meeting reports for Array oncologic compounds Braftovi/Mektovi. Also managed and improved several dozen SAS stored processes designed for use by Drug Safety group via the SAS Add-in for Microsoft Office. Liaised with IT department on all improvements and migrations to our validated clinical environment. Used RStudio Cloud environment to assess SAS versus R comparison for PK/PD data.

D-WISE TECHNOLOGIES
Technical Consultant | 2016 to 2018: Technical consulting for various pharma companies, primarily for SAS Grid implementations in mixed Linux/Windows environments. Work required extensive requirements gathering and system design and installation qualification documentation. Full SAS Grid installations with tight quality control mechanisms for validated computer systems (in line with FDA requirements). Data migration projects with SAS and Bash scripts. Heavy

focus on operationalizing existing code for newly built systems and bringing in "new" technologies such as python and R, and data storage improvements including Hadoop. Developed custom scheduling processes to migrate clients from command line and OS-based scheduling to Platform LSF Scheduler. Application support as needed for existing IT staff and knowledge transfer for the duration of projects.

XCEL ENERGY

SAS Developer | 2013 to 2016: Worked as lead developer, administrator, and primary application support for the SAS BookRunner and SAS Risk Dimensions (RD) platform. Priorities were security, both on the operating system and application levels, BookRunner installations and hotfixes in multi-tiered (virtualized) environment, and maintenance of the SAS Business Intelligence platform. Prepared for implementation of SAS Visual Analytics and upgrade of entire BookRunner/RD platform to SAS 9.4. Developed strategy for creating, maintaining, and reporting on user, group, and role objects in SAS metadata to stay SOx (Sarbanes-Oxley) compliant. This included automated reporting out of metadata for monthly and quarterly reports for internal audits. Served as primary support contact for BookRunner and SAS user base at Xcel. On the SAS side, development was done in SAS Data Integration Studio and SAS Enterprise Guide.

D-WISE TECHNOLOGIES

SAS Programmer, SAS Consultant | 2011 to 2013: Worked primarily as a consultant on SAS administrative solutions including guidance and written best practices for us of SAS Management Console in concert with the SAS Drug Development platform. Focus was generally on security and management of SAS metadata, roles, groups, and users within. Also developed several custom code transformations in SAS Data Integration Studio to meet then current CDISC (Clinical Data Interchange Standards Consortium) standards for clinical trials report development in the Pharmaceutical industry.

SORIN GROUP USA – HEART VALVES BUSINESS UNIT

SAS Programmer | 2011: Managed clinical data for several post-marketing trials. Primary roles included conversion of data from Oracle Clinical to SAS datasets for analysis by statisticians. Created and maintained data management queries against clinical DBs (ClinAccess) for studies. Excellent communication skills were required for this role as the primary data store for the newer studies was in Saluggia, Italy, and much of the IT infrastructure was managed by BASF in Germany. Complex SAS programming required for other situations, specifically data pulls from disorganized spreadsheets needing conversion into analysis-ready SAS datasets. Other reporting tasks as necessary included integration of clinical data (Oracle) and inventory data (flat files) into local Oracle database for reporting in Oracle APEX web tool.

KAISER PERMANENTE COLORADO

SAS Programmer | 2007 to 2011: Created data processing solutions by skillfully utilizing SAS (9.1.3, 9.2) against large data sources including the Kaiser "Virtual Data Warehouse" (very large SAS datasets). Provided SAS programming and report creation for various translational medicine studies at the Institute for Health Research (KP). Managed data pulls/transforms and developed reports with SAS ODS (RTF/PDF). Generated analysis datasets for biostatisticians and epidemiologists and wrote programs for CDC and other HMO site submissions to VSD data model. Maintained and debugged legacy code and wrote numerous programs/applications in SAS Enhanced Editor and Enterprise Guide as well as inclusion of legacy code in SAS Data Integration Studio. Daily querying of relational databases (SAS/ACCESS Teradata, SAS/ACCESS Oracle, SAS/ACCESS ODBC for SQL Server) with SAS and other clients (SQL Developer, APEX, Teradata SQL Assistant). Other delivered results include:

Projects:
- **Vaccine Safety Datalink Project:** http://en.wikipedia.org/wiki/Vaccine_Safety_Datalink: Served as the Lead SAS Programmer and Data Manager to develop this multi-site vaccine research project completed in a mixed Windows/UNIX environment. Took data from 10+ organizations and combined them into a single data model that could be utilized by researchers across all organizations.

- Lead architect and data manager on a data quality monitoring pilot with DataFlux software on Teradata database. Developed templates to monitor numerous data quality issues.

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COLORADO PREVENTION CENTER (CRO – CARDIOVASCULAR FOCUS)

SAS Programmer | 2004 to 2007: Provided extensive SAS (8.2, 9.1.3) programming, automation of processes, and validation of code. Initiated and completed tables, listings and graphs programming for data monitoring and clinical endpoint committees. Created tables, listings and figures for phase II and III studies (Base SAS, Macros, SAS/STAT, ODS RTF, Proc Report, and Proc Template). Generated analysis data sets and programmed table shells. Developed summary tables and profile plots to assess study pharmacokinetics for Biolimus A9 drug. Thrived in this fast-paced, deadline-driven environment.

COLORADO HEALTH OUTCOMES

SAS Programmer/Data Manager| 2003 to 2004: Provided data analysis and data management for several cognitive research studies using Base SAS, SAS/STAT, MS Access, and MS Excel. Applied statistical programming techniques with SAS for analysis on cognitive behavioral studies. Increased data entry efficiency and accuracy by implementing scanning technology (bar-codes). Created database tables, forms, and queries. Effectively worked with MDs, PhDs, project managers, and other analysts.

Education:

Bachelor's Degree in chemistry with Minor in Mathematics, Metropolitan State College of Denver

One year of Graduate Studies in Biostatistics, University of Colorado Health Sciences Center