**Chaitesh Patel**

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 **Over 6 years** of extensive experience in IT industry having experience of handling jobs from Programmer level to Sr. Programmer level, in all of which I had a chance to handle jobs on technical and business sides with much of the Functional/Process flow Intervention.

 Hands on experience in using SAS as data management and statistical analysis tool utility, bank, insurance, and other financial services.

 Extensive experience in **SAS/BASE, SAS/STAT, SAS/MACRO, SAS/GRAPH, SAS/ACCESS, SAS/ODS,** in **Windows** and **UNIX** environments.

 Having excellent command in producing reports, employing various **SAS Procedures,** like **Proc SQL, Proc Report, Proc Tabulate, Proc Transpose, Proc Plot, Proc Chart, Proc Datasets, Proc Format, Proc Compare, Proc Append, Proc Import, Proc Export, Proc Explode, Proc Printto, Proc Transpose, Proc Print, Proc Means** and **Proc Univariate. SAS/STAT procedures** such as  **Proc Reg, Proc Glm, Proc ANOVA, Proc Freq.**

 Hands-on experience in creating **SAS datasets** in large volume data.

 Good knowledge of **data extraction** and **sorting** **data** from various databases like **Oracle, DB2**. Teradata **MS Access**, SQL server.

 Modified existing **SAS** programs and created new programs using **SAS** macro variables to improve ease and as well as consistency of results.

 Worked in group with statisticians to provide **SAS** programming support for **analyzing the clinical trial data** and **generating reports, tables, listings, graphs and** summaries as per company standards and in compliance with **21 CFR Part 11**, FDA and other GCP Guidelines.

 Extensive experience with **regression analysis, correlation analysis, analysis of variance** on clinical trial data.

 Experience **delivering output** in different formats including **HTML, RTF, PDF,** and creating **Custom reports** using **SAS ODS** facility, **Proc Report** and **SQL pass through facility.**

 Hands on experience in using **SAS/JMP** Software**, Access,** and **MS Excel.**

 Excellent team player, with strong skills in trouble-shooting, problem-solving, Interpersonal, Oral & written communication. Excellent at delivering seminar and practical solutions within required deadlines.

**TECHNICAL SKILLS:**

**Statistical Software: SAS V9.2,** **SAS V9.1**, (Base SAS, SAS/MACRO, SAS/SQL, SAS/Connect, SAS/OLAP, SAS/STAT, SAS/GRAPH, SAS/ODS, SAS/Access, **SAS Enterprise Guide,** **SPSS, SAS Enterprise Miner**

**SAS Procedures:** Print, Frequency, Means, Summary, Tabulate, Chart, Gchart, Plot, Gplot,

Univariate, Corr, Contents, Compare, Append, Copy, Datasets, Format,

Options, Sort, Transpose, Report, SQL, ANOVA, Reg, Import/Export.

**Databases:** MS Access, **SQL Server**, DB2, **Oracle**, SQL queries, **Teradata**

**Tools:**  **SAS**, MS Office suite 2003/2007/2010, **SPSS** and **Graph PadPrism 5.0**

**Clinical Trials: Phases (I, II)**, **NDA** Submissions, **FDA** Approvals, **CDISC** standards.

**Operating Systems:** Windows 98/2000/XP/2007, UNIX

**PROFESSIONAL EXPERIENCE:**

**Northeast Utilities, Berlin, CT May 11 – Current**

**Sr. SAS Programmer/Analyst**

New England's largest utility service company **Northeast Utilities** serving more than 3.5 million electric and natural gas customers in CT, MA and NH. As an increased competition among energy retailers, the utility’s resources team relies on SAS software to support managements and HR strategies. The objective of the project is to create a global data warehouse containing the information of Utility data, Employee data, and Organization data. The source of data warehouse is flat files and some oracle tables. After extracting the data from sources new variables are created and transformed according to the business logics. This global data is used to create reports accordingly as per the requirements by the end users.

**Responsibilities:**

 Worked with a team of Statisticians and Data Managers for Generating Safety and Efficiency tables by leading all projects.

 Gathered and transformed data from **flat files** using **SAS/ACCESS**.

 Developed and Modified **SAS Macros** for **Data Cleaning**, **Validation, Analysis** and **Report generation**.

 Drew **flowcharts** indicating the input data sets, sorting and merging techniques.

 Wrote code using **SAS/Base** and **SAS/Macros** to extract clean and validate data from **flat file, Excel file, Teradata, RDBMS, Access Database,** and **Oracle Database** using **SAS ETL and dbload** processes.

 Extensively using **DO LOOPS**, **ARRAY**, and **SAS/STAT** to manipulate **numerical** data and **scientific data.**

 Developed and improved the efficiency of programs through the use of **SAS macros and SAS/SQL**.

 Write **Procedural Language SQL (PL/SQL)** query for **data manipulation** and **data analysis**.

 Used variety of Base **SAS procedures** for analysis, management, presentation and access of the data. Used many of Base **SAS functions** for data cleaning.

 **Build**, **maintained**, and **managed SAS OLAP** cubes for **multidimensional data**.

 Introduced new variables with existing variables based on business logics using **keep** and **drop** statements.

 Modified standard programs to generate data sets for statistical data analysis, generate listings, summaries, tables, graphs and reports for analyzing data results in compliance with relevant **SOPs** as per **SAP**.

 Produced Reports, Listings, Tabulations and Summaries of the data using procedures such as **PROC MEANS, PROC SUMMARY, PROC UNIVARIATE, PROC TABULATE,** and **PROC REG**.

 Creating routine and **ad-hoc reports** using **PROC PRINT, PROC FREQ, PROC CHART** and **PROC REPORT.**

 Extensively using **PROC GPLOT** and **PROC GCHART** for generating graphs and plots.

 Formatted **HTML, RTF** and **PDF reports**, using SAS **Output Delivery System** (ODS).

 Preliminary **data validation** and data correction of data using **PROC COMPARE and PROC CORR**.

 Making **summary presentations** of business highlights to senior management.

 Documenting process flow, improving and updating procedures for existing SAS applications.

 Interacted with other team members to discuss the required development to be implemented in coding to improve the functionality and effectiveness.

**Environment:** SAS 9.2, SAS 9.1.3, SAS/Base, SAS/Macro, SAS/Graph, SAS/SQL, PL/SQL, SAS/Access SAS/ODS, SAS/STAT, SAS/Connect, MS SQL server, MS-Excel, Oracle 11g, UNIX and Windows 2007.

**Liberty Mutual, Wausau, WI Feb 10 – May 11**

**Sr. SAS Programmer/Analyst**

Liberty Mutual Group (LMG) is a leading global insurer and the third largest property and casualty insurer in the U.S., which specializes in private passenger automobile liability that is based on a 2011 direct written premium. The project involved extraction and analysis of data from complex data warehouse and creating various detailed reports regarding financial transactions, purchase details, and operating costs.

**Responsibilities:**

 Extracted and analyzed data from the database using **SAS/Access**, **SAS/SQL** procedures and created **SAS datasets**.

 Created complex **SQL** queries to access the Oracle database.

 Performed various statistical works to resolve and develop **SAS applications** using **PROC REG**, **PROC UNIVARIATE**, **PROC CORR**, **PROC ANOVA**, **PROC MEANS** etc.

 Created new financial tables and manipulated customer data by using various joins and merges and then appended the data (**proc append)** from the existing source tables containing millions of records.

 Developed **summary reports** and **graphs** using **SAS** procedures like **PROC FREQ**, **PROC GRAPH**, **PROC GPLOT**, **PROC GCHART**, **PROC UNIVARIATE**, **PROC SUMMARY**, **PROC REPORT**, **PROC MEANS**, and **PROC TABULATE** etc.

 Used **ODS** statements and **PROC TEMPLATE** to create reports in style format.

 Used **SAS** extensively to create ad hoc reports, match **merge** and created **graphs** by using **SAS/GRAPH base**.

 Data validation was done using **SAS Enterprise guide**.

 Used several arithmetic, aggregate, character, date time, character sting matching and special mathematical functions in expression builder while mapping the data to output datasets

**Environment:** Windows XP, Oracle, Base SAS 9.2, SAS/MACRO, SAS/STAT, SAS/SHARE SAS/ETS, SAS/GRAPH, SAS/ACCESS, SAS ENTERPRISE GUIDE 4.2, Teradata 12.

**AXA Financial, NYC Apr 08 – Dec 09**

**Sr. SAS Programmer/Analyst**

AXA Financial, a worldwide leader in financial protection and wealth management provides a full range of personal, small business and commercial banking throughout US. As a member of statistical unit, I worked for developing computer programs & Statistical analysis of product sales, performance of Sales department, regional sales, Monthly, Quarterly and Yearly sales reports. The incentive compensation was taken care of in this project and the profit forecast was also done. Data extraction from warehouse and convert them to SAS data sets, and Reports were generated daily after the midnight when the load on the database servers is less.

**Responsibilities:**

 Programming and analyzing in guiding with the design and development of the application.

 **Data Preparation:** Drawing flowcharts indicating the input data sets, sorting and merging techniques to get the required output and then writing the code.

 **Data validation:** Data is validated before use the same for final analysis.

 **Data Analysis:** The validated data is analyzed to get the following: Market share Find top customers for the target lists Look for responsiveness of targets based on sales force effort.

 Extensively used Arrays in **SAS** Data Steps.

 Merging Datasets and Manipulating Datasets.

 Extensively done **SAS**/Macro Programming.

 Used SCL for customized method developments and integrating PROCs with components.

 Used **SAS** DATA \_NULL\_ and PUT statements to create the customized reports.   
Developed new macros for report generation using **SAS**/Macro as per the customer’s requirements.

 Produced **SAS** Graphical reports showing Trend Analysis charts for campaign.   
Used **SAS** PROC SQL Pass through Facility and SAS/CONNECT to work with Oracle database.

 Used **SAS** GRAPH for generating various graphs and charts for analyzing the product sales.

 Upload **SAS** data sets across platforms from PC to UNIX and Vice Versa.

**Environment:** **SAS**/BASE (V9.1.3, V8.2), **SAS**/STAT, **SAS**, **SAS**/MACRO, **SAS**/GRAPH, **SAS**/ACCESS, **SAS**/ODS, **SAS**/ETS, **SAS**/QC, **SAS**/Connect, UNIX, SQL, MS Access, **EXCEL**, SPSS, Windows XP.

**Horizon Marketing Group, Inc., St Louis, MO Mar 07 – Mar 08**

**SAS Analyst**

Horizon Marketing Group is a full service marketing communications agency, which provides marketing and sales solutions in consumer segmentation and targeting for the consumer goods industry. The project involved generating forecasting reports to help the client companies to predict future market growth and do strategic planning based on the reports.

**Responsibilities:**

 Extracted source data from Oracle to **SAS data sets** by using **PROC SQL** and taking care of the discrepancies in the data using **BASE SAS.**

 Created new datasets from raw data files using **Import Techniques** and modify existing datasets using **SET, MERGE, SORT, UPDATE,** and conditional statements.

 Document and Validate reports in compliance with regulations specified.

 Developed regression models and generate reports using **PROC REPORT, PROC TABULATE** for consumer profiling, segmentation and targeting.

 Created reports in Excel spreadsheets using **SAS/ODS** and implementing them in PowerPoint presentation for the client.

 Access flat files using **SAS/ACCESS**. Use SQL pass through facility to **access data**, load and perform **SQL operations**.

 Created reports in **PDF** and **RTF** format using **SAS/ODS** and **PROC TEMPLATE.**

 Used to create and load data into a DBMS table from a **SAS** data set by using **DBLOAD** procedure.

 Routinely used Base **SAS**, **SAS/Macros, SAS/SQL, SAS/Graph,** and **SAS/Stat.**

**Environment:** Base SAS v8, SAS/SQL, SAS/ETL, SAS/GRAPH, SAS/ACCESS, SAS/ODS, SAS/STAT UNIX,Oracle 9i, PL/SQL.

**Acorda Therapeutics, Inc. Hawthorne, Jul 06 – Feb 07**

**SAS Programmer**

Acorda Therapeutics is a commercial-stage biopharmaceutical company engaged in the identification, development and commercialization of novel therapies that improve neurological function in people with neurologic disorders. As a SAS programmer, I performed relevant statistical analysis of data captured during clinical trials on multiple sclerosis (MS), spinal cord injury (SCI), and other disorders in different Phases (I– II).

**Responsibilities:**

 Review and acquired knowledge about documents related **clinical** **trials** like clinical **protocol**, SAP, Clinical **Study** **Report** and CRF (Annotated CRF).

 Worked with Clinical Data Management team for creating clinical datasets by using different **Proc SQL** **joining techniques** such as outer join, left outer join, and full outer join, union all join, and **merge** processes.

 Extensively involved in creating safety and efficacy tables, listing and figures by using different SAS procedures such as **Proc Print, Proc means, Proc Report, Proc Tabulate, Proc Graph** and **Proc Plot.**

 Created **SAS** Customized Reports using the **Data \_Null\_** technique for FDA evaluations.

 Using **SAS**/STAT, **Proc Reg, Proc ANOVA,** and **Proc Corr** to perform analysis of variance for balanced or unbalanced clinical trial designs.

 Performed **Debugging** on the existing codes and datasets to validate and manipulate clinical data.

 Extensively used company standard macros for effective and efficient outputs for clinical trials. Created study specific macros too for better performance.

 Hands on Experience in developing **Ad-hoc reports** and **Excel pivot charts** to compare the different clinical trials.

 Participated in **automating** and **optimizing** the SAS codes to reduce the efforts and errors.

**Environment:** SAS/BASE, SAS/STAT, SAS/GRAPH, SAS/ODS, SAS/SQL, SAS/WINDOWS, SAS/MACRO, MS Access, MS Excel.

**EDUCATION**

**B.S Computer Information Systems**, GPA: 3.53/4.00, May 2006.

University of Florida, Gainesville, FL