Sarbani Majumdar

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**Objective:**

Looking for a challenging role in the Data and Analytics space by leveraging my experience and knowledge in Microsoft Azure cloud computing, data management, statistical analysis & reporting.

**Experience Summary:**

Overall 7+ Years of experience in the data and analytics space with experience in Azure components, programming in SAS/BASE, SAS/SQL, SAS/MACROS, SQL Server and Clinical domain. My job activities included creating the pipeline from data ingestion to analytics dashboard in Azure, data extraction from data repositories, SAS data set creation, follow regulatory and compliance industry standards in reporting, collaborate with lead statistician to analyze models and validate results, data cleansing and quality control.

In addition to this, I have a deep understanding of cloud computing technologies, business drivers, and emerging computing trends. I have served as a SME in different clinical and technical domains and worked in all phases of clinical trials in multiple therapeutic areas.

**Technology Skills:**

Cloud Computing Skills:

Microsoft Azure (HDInsight, Spark, Storm, Hive, Machine Learning, Stream Analytics, Data Factory, Event Hub, IoT Hub, PowerShell, Data Lake, Azure Storage, Azure Active Directory), Microsoft Power BI, Tableau

SAS:  Base SAS (8.1, 8.2, 9.0), SAS Macros and SQL

Operating Systems:  UNIX & Windows

RDBMS: Oracle, MS SQL Server

Languages: SAS & SQL

Productivity tools: Microsoft Office

**Professional Skills:**

* Analytical/Research skills
* Strong focus on customer and end user requirements
* Self-starter and eagerness to learn and master new skills
* Exceptional listener
* Ability to handle multiple priorities
* Leadership & Management skills
* Team Player
* Determination and persistence

**Technical Trainings and Certifications:**

* Designing and Implementing Big Data Analytics Solutions (70-475)
* SAS certified BASE SAS Programmer for version SAS9
* Microsoft Azure
* Microsoft Power BI
* Clinical Data Standards (CDISC)
* Oracle SQL & PL/SQL

**PROFESSIONAL EXPERIENCE:**

Sr. Azure Developer – ThingForThings, Dallas, TX (Mar 2016 – Present)

ThingForThings is an innovative company developing products for the Internet for Things. I am part of the Microsoft Azure product development team developing Azure components, statistical models, dashboards and reports. Some of my responsibilites are below.

* Collaboration with team to develop technical and business requirements.
* Design, develop, prototype cloud-based IoT solutions and deliver Proof of Concepts for new and emerging markets.
* Estimate costs associated with proposed solutions and make product recommendations for products and services in Azure.
* Creation and deployment of new IoT applications that connect, manage, and optimize sensor devices and software solutions for use in smart initiatives.
* Work with other project team members to come to consensus on proposed solution and ensure project meets both client and end user needs.
* Ensure that the cloud solutions meet product needs for scalability, reliability and performance.
* Develop and deploy machine learning models and perform exploratory data analysis to get insights from data.
* Integrate data with analysis platforms like Power BI and build interactive Dashboards.
* Design rich data visualizations to communicate complex ideas to customers or company leaders.

Sr. Cloud BI Analytics Developer – Elevate, Dallas, TX (May 2013 – Feb 2016)

* Implemented a predictive maintenance Dashboard in Power BI by ingesting data from thrid party financial data into Azure SQL DB.
* The statistical model was created in SAS and invoked from Azure Machine Learning.
* A 16 node Hadoop cluster was used for data processing. The implementation was done by a global team with onshore and offshore resources.
* Build efficient, complex, parameterized SQL queries and stored procedures to produce output data sets, evaluating the technology available and selecting the best report format and delivery medium.
* Implement best practices to reduce maintenance overhead and complexity.
* Analyze requirements and interact with users and designers to determine the data sets required to meet the users needs.

Sr. Statistical Programmer - Siro Clinpharm Pvt Ltd., Mumbai, India

(Jan 2006 – Aug 2009)

**Clients:**

* Pfizer Inc. UK & USA (Jan 2006 – Aug 2009)
* [Boehringer Ingelheim](http://www.boehringer-ingelheim.com/) USA (Mar 2008 – May 2008)
* Merck USA (Nov 2008 – Dec 2008)

**Responsibilities:**

* Designing and creating statistical analysis deliverables to meet the requirements of complex clinical studies using efficient programming techniques.
* Extensive programming for creation of SAS derived Datasets, and statistical outputs (Tables, Listings and Graphs) for all phases of Clinical studies in compliance with regulatory requirements and sponsor standards and procedures.
* Extraction of data from Oracle Clinical and creation of raw SAS datasets.
* Integrating multiple complex clinical study data throughout the entire study lifecycle, from protocol development through database lock.
* Preparation of SDLC documentation and mock-up statistical output displays for clinical trial programs as per statistical analysis plan and sponsor guidelines.
* Partner with Statistician to ensure statistical programming deliverables are correctly designed and executed per statistical analysis goals, plans and methodologies.
* Supporting cross functional teams working on common platforms and share learning’s across all teams.
* Identifying data issues and providing required details to data managers for fixing them.
* Developing utility programs for carrying out data management and quality control activities more efficiently.
* Peer review deliverables and provide documented review comments.
* Maintaining well organized, complete, and up-to-date project documentation, testing, and verification/quality control documents and programs in compliance with company and sponsor standards. Document key decisions and issues with constant follow up and status tracking.
* Ensuring that milestones are met and any identified issues are resolved.
* Knowledge of the principles of quality, safety, risk management and compliance (ICH, GCP and CFR21 Part 11).
* Creation of Training Materials.
* Training new members in the team on reporting activities, client specific tools and programming practices.
* Serve as a subject matter expert and provide technical guidance, project level and broader therapeutic area oversight to the team, to achieve quality, timely and cost-effective deliverables.

GH Raisoni Engineering College, Nagpur, India (Aug 2000 to Nov 2001)

Designation : Associate Professor

Subjects : Digital Circuits & Hardware Design, Microprocessors & Interfacing

Achievements : Awarded as the Best Associate Professor

**Recognitions and Achievements:**

* Won the Role of Honor award in 2007 for being appreciated by the client for my work on a complex Phase 3 clinical study which had critical timelines.
* My project work received special recognition from global auditors for quality of work.
* Received appreciation for providing high quality training in Pfizer CDARS and Early Development Studies to new joiners.
* Received Pfizer recognition cards for high quality, efficiency, great analytical ability and constant drive for learning.
* For demonstrating enthusiastic customer centric behavior, I have received STAAR performer cards at organizational level.
* Submitted a Pfizer “24-hour challenge Phase 1 study” in a record time of 1.5 hours after the database was locked.

**Academic Qualification:**

* Bachelor Degree in Electronics Engineering (1999)
* 3 Years Diploma in Electronics Engineering (1996)
* Secondary School Certificate Examination (1993)