**Summary:**

* Having over 10+ years of experience in the Health Care Industry with emphasis on data warehouse development and reporting using Tableau Desktop/Server 8.0/8.2, SAP BOBJ BI – WebI, Crystal Reports, PowerPivot, Advance Excel, MS Access, MS SQL, and Advance SQL.
* Worked extensively in analysis and development of Health Care clinical research applications using MS SQL Server 2008 and MS Access.
* Responsible for the development, and oversight of clinical data integration initiatives, patient experience program, conducting quarterly quality meetings with practice based physicians and collaborating with Physician Network Medical Director of Quality.
* Extensive knowledge on Hospital information systems like WebCis, Eclipses, in addition to data analysis skills using sources like Center For Disease Control (CDC) – Kidney Transplant data, Telemetry and UNOS
* Over 4+ years of experience in designing and developing end-to-end BI solutions using Tableau 8.0/8.2, PowerPivot, Advance Excel, Access, MSSQL, and Advance SQL
* Sound knowledge of Data Warehousing Concepts.
* Proficient in writing advance SQL, advance visualizations using Tableau, Advance Excel.
* Experience in Preparing Design Specification documents based on Business requirements
* Experience working with Business Intelligence data visualization tools with specialization on Tableau, PowerPivot, SQL and Excel etc...
* Strong communication skills and ability to interact with business and technology resources
* Well versed in complex calculations, sourcing from numerous data sources

**SKILLS:**

* BI Tools/Analytics: Tableau 6.0/8.0/8.2 (Desktop, Server), SAP BOBJ – WebI, Crystal Reports, Excel, MS-PowerPivot
* Database: SQL server 2005/2000, MS Access.
* Languages: SQL, PL/SQL, C, HTML, XML, Java.
* Scripting Languages: JavaScript, VBScript and UNIX Shell Script
* Operating system: Win 95/98/2000/XP, Win NT 4.0, Linux, UNIX/AIX.

**CERTIFICATIONS AND TRAINING**

* Undergone Training – Tableau 8.0/8.2
* Undergone Training – MS SQL Server 2005,
* Good Clinical Practice (GCP) – 2003
* Certified Phlebotomist
* Certified Clinical Medical Assistant (CCMA) – 2011
* Certified Medical Administrative Assistant (CMAA) - 2011
* Certified Billing and Coding Specialist (CBCS) – 2011

**PUBLICATIONS** (That I have co-authored and contributed)

* Hickey, KT, Talathoti J, "Correlating perceived arrhythmia symptoms and Quality of Life in the elderly with Heart Failure in an urban clinic: A prospective, single center study" Journal of Clinical Nursing, February 2012, 0129.
* Kathleen T. Hickey, James Reiffel, Robert R. Sciacca, William Whang, Angelo Biviano, Maurita Baumeister, Carmen Castillo, Jyothi Talathoti and Hasan Garan. “The utility of ambulatory electrographic monitoring for detecting silent arrhythmias and clarifying symptoms mechanism in an urban elderly population with heart failure and hypertension: Clinical implications” J Atr Fibrillation. 2010 January 1; 1(12);663-674.

**ELECTRONIC DATA CAPTURE SYSTEMS:**

* VPICU – National multi-institutional database partnered with NACHRI (National Association of Children’s Hospital and Related Institutions)

**PROFESSIONAL EXPERIENCE:**

**Sr. Tableau Developer 09/2009 to Present**

**Nephrology Clinical Research Center (NCRC), Columbia University New York, NY**

* Responsible for designing and implementing Nephrology Clinical Research data using MS SQL, Tableau, PowerPivot, Excel.
* Worked with Principal Investigators (PI) to understand Nephrology clinical research data who are primary customers.
* Developed business requirements documents working with PIs and communicating the design details
* Analyzed data source systems like WebCis, Eclipses, Center For Disease Control (CDC) – Kidney Transplant data, Telemetry and UNOS
* Worked with Columbia IT team to define NCRC data models.
* Developed complex reports like high risk transplant reports, rejection reports, Mild to severe renal (kidney) insufficiency, End Stage Renal Disease (ESRD) and related problems like anemia and hyperparathyroidism, chronic kidney disease in underserved and minority populations etc.
* Developed Ad-hoc reports using Tableau Desktop, Excel and PowerPivot
* Developed complex visualizations using Tableau Dashboards using multiple sources
* Published Tableau dashboards to Tableau Server
* Created daily and monthly Tableau Extracts to Tableau Server.
* Created Sets, Parameters, custom Geospatial sheets, advance calculations, Calculated Fields, and functions for customizing calculations like dynamic sorting, filtering, parameter driven analysis etc..
* Extensively used data blending capabilities within Tableau joining multiple sources for custom analysis.
* Designed data collection mechanisms, data collection and validation.
* Maintaining close communication with Project Lead, providing regular feedback on all issues and initiatives; preparing, verifying and analyzing data in collaboration with the Team Leader.
* Providing data mapping for medical research data integration by using software’s such as Tableau, MS SQL, Access, Excel, Business Objects. Monitoring the automated loading processes and advising on the suitability of methodologies and suggesting improvements.
* Database Point person for questions regarding data entry interface; maintaining ongoing updates and documentation for all data sets; providing ongoing database administration and trouble shooting, including data validation and QA test scripts.
* Responsible for maintaining, storing, mapping and analyzing medical, lab and any other health data in compliance with HIPAA policies and procedures.
* Generating data queries based on validation checks or errors and omissions identified during data entry, improving inconsistencies and inefficiencies in processes, recommending solutions
* Manipulated large and complex data sets, exporting/importing data from various systems and link key applications in order to create reports and completing analyses; delivering monthly project status reports with all issues resolved / addressed in a timely manner.
* Database Point person for questions regarding data entry interface; maintaining ongoing updates and documentation for all data sets.
* Overall management of the program's data retrieval/entry, information systems, performance monitoring and performance reporting; developing activities that include outcome reports

**Tableau Developer 06/2009 – 09/2009**

**Department of Pediatrics, Division of Critical Care Medicine**

**Columbia University Medical Center New York, NY**

* Responsible for designing and implementing Pediatric PICU Clinical Research data using MS SQL, Tableau, PowerPivot, Excel.
* Responsible for the accuracy and timeliness of PICU data; preparing reports and statistics concerning processes, outcomes, utilization and efficiency; interacting with NACHRI/VPS participating in user forums to improve critical care quality and outcomes for all children and their families through collaborative high quality data management.
* Worked with Principal Investigators (PI) to understand Pediatric PICU clinical research data who are primary customers.
* Developed business requirements documents working with PIs and communicating the design details
* Analyzed data source systems like WebCis, Eclipses, and VPS/NACHRI database.
* Responsible in loading the data into MYVPS website for further research. Working with key clinical staff to coordinate collection of all required data.
* Responsible for loading, extracting and validation of pediatric PICU data.
* Responsible for delivering the reporting and analytics correlation to quality measurement concepts by translating business requirements to data-centric solutions.
* Developed complex reports like failed extubations, outcomes of pediatric head injuries, outcomes of congenital heart patients and PRISM III Pediatric risk mortality in patients admitted to the PICU.
* Developed Ad-hoc reports using Tableau Desktop, Access, Excel and PowerPivot
* Developed complex visualizations using Tableau Dashboards using multiple sources.
* Providing data mapping for medical research data integration by using software’s such as Tableau, MS SQL, Access, Excel, Business Objects. Monitoring the automated loading processes and advising on the suitability of methodologies and suggesting improvements.
* Developed Ad-hoc reports using Tableau Desktop, Excel and PowerPivot
* Developed complex visualizations using Tableau Dashboards using multiple sources
* Published Tableau dashboards to Tableau Server
* Created daily and monthly Tableau Extracts to Tableau Server.
* Created Sets, Parameters, custom Geospatial sheets, advance calculations, Calculated Fields, and functions for customizing calculations like dynamic sorting, filtering, parameter driven analysis etc..
* Extensively used data blending capabilities within Tableau joining multiple sources for custom analysis.
* Designed data collection mechanisms, data collection and validation.
* Interacting directly with the Medical professionals to develop appropriate report requirements and parameters, suggesting content fields and design where appropriate, and implementing the report criteria and analysis to accurately produce the requested report/recommendations.
* Responsible for maintaining, storing, mapping and analyzing medical, lab and any other health data in compliance with HIPAA policies and procedures.
* Manipulating large and complex data sets, exporting/importing data from various systems and link key applications in order to create reports and completing analyses; delivering monthly project status reports with all issues resolved / addressed in a timely manner.
* Produces data and analysis in format appropriate to request including but not limited to spreadsheets, summary data and graphs.
* Database Point person for questions regarding data entry interface; maintaining ongoing updates and documentation for all data sets.
* Overall management of the program's data retrieval/entry, information systems, performance monitoring and performance reporting; developing activities that include outcome reports.

**Data Analyst 07/2004 – 06/2009**

**Division of Cardiology / Sub-division of Clinical Cardiac Electrophysiology**

**Columbia University Medical Center New York, NY**

* Worked with Clinical Data Processing and Database Programming resources to develop data entry screens and validation programs.
* Provides oversight and assists in improving the quality of data and information as appropriate including audit of data collections process.
* Manage all phases of data management activities from designing and developing of the database to ensuring the data loads are complete and make reporting available.
* Perform statistical analysis to determine the efficiency of clinical trials.
* Interact with clinical team to determine protocol design, data element selection, and appropriate statistical methods.
* Develop custom reports using standard Microsoft tools such as Excel and Access, Perform data analysis in the areas of research.
* Established a sound methodology for the gathering of reporting requirements and support and follow information governance and data standardization procedures established by the organization ensuring compliance with GCP, HIPAA and FDA regulations.
* Working closely with other research staff to ensure clinical research studies are completed on time and within budget; working with the compliance officer to ensure staff and protocols remain compliant with relevant guidelines.
* Coordinating all aspects of the clinical studies, scheduling and conducting study visits, organizing and maintaining detailed study documentation and entering data in CRFs and/or electronic systems (Medidata, Study manager) within the specified timeframe.
* Subject recruitment; obtaining informed consent; screening and enrollment; taking clinical measurements such as blood pressure, height, weight, EKGs; phlebotomy; processing and shipping biological specimens; drug accountability; reporting adverse events; and attending research meetings both within the institution and elsewhere, as needed.

**Tech-B 08/2003 – 06/2004**

**Division of Cardiology / Sub-division of Clinical Cardiac Electrophysiology**

**Columbia University Medical Center New York, NY**

* Data collection, data entry, data processing and making sure that all the study follow ups are done in a timely fashion; preparing the documents for the adjudication by the events committee; ensuring the consistency of the observations.
* Assisting in the complete array of necessary research studies; preparing the subjects for T-wave alternans test, processing the data, saving in a MO disc to get cleaner version of t-wave alternans tracings.
* Generating the reports by Alternans Report Classifier (ARC), sending the final report of t-wave alternans reports to the referring physicians and generating the bills for the stress test.