**Anees U Rana**

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**Summary:**

17 plus year experience of Modeling, designing and implementing OLTP, OLAP databases and data warehousing solutions, and technically sophisticated. Experiencethe Process Group and Business Analyst / Data Analyst / Data Modeler/ Cloud Developer and Data Architect,experience translating the needs of non-technical clients into data storage.Possess interpersonal skills, highly adaptive at diplomatically facilitating, discussions and negotiations with stakeholders. Have Strong interpersonal skills, Planning, Executing, Monitoring, Controlling and Closing of the project. Have skilled in themining(in Data Lake)and analysis solutions for Financial and Health domain (using R or SAS)that accommodate long-lasting capacity and scalability for a solid business future.

I work with on and offshore team in my different project more the 25 team members. Communicate with the team and get know about the people on my team. I handle the team with different challenges and implement the project development goal of product and prioritize, communicate with the team.

**Professional Experience:**

* Dimensional Modeling, Data Analytics, Data Quality, Design process and system improvements to increase productivity and reduce costs.
* Proven experience in relational and dimensional data modeling, data management, data warehousing, data transformation, metadata and master data (reference data) management and business intelligence tools.
* Knowledge of Advance SQL keywords and concepts.
* Highly skilled in the usage of ETL tools for DataStage (Talend, Informatica, SSIS, SSRS) developing features of Teradata PDE, Amp, Bynet, PE, vDisk and Virtual storage system (VSS). Knowledge ofMultiLoad, TPUMP and BTEQ utilitywhich is a general-purpose, command-based tool for Teradata.
* Work on Background process in OracleArchitecture. Also, drill down to the lowest levels of systems design and construction.
* Experienced in Businesses Analytics, to provide comprehensive predictive analytics, financial performance and strategy management, to improve business performance and predict future outcomes.
* Experience in conducting Joint Application Development (JAD) sessions with SMEs, Stakeholders and other project team members for requirement gathering and analysis.
* Responsible for interacting with business partners to identify information needs and business requirements for reports.
* Strongly capable of handling VLRDB (Very Large Relational Data Bases) of about 40TB with expert level working knowledge of the architecture involved.
* Experience in back-end programming including schema and table design, stored procedures, Triggers, Viewsand Indexes.
* Expertise in Normalization/Demoralization techniques for optimum performance in relational and dimensional database environments.
* Highly proficient in Data Modeling retaining concepts of RDBMS, Semantic (SDM),Logical and Physical Data Modeling until 3NormalForm (3NF) and Multidimensional Data Modeling Schema (Star schema, Snow-Flake Modeling, Facts, and dimensions). Complete knowledge of data warehouse methodologies (Ralph Kimball, Inmon), ODS, EDW,and MetadataRepository.
* Consolidate and audit metadata from disparate tools and sources, including business.
* Convert the data file between SAS, Stata and IBM SPSS as Stat/Transfer or DBMS.
* Excellent understanding of an Approach to MDM to creating a data dictionary, Using Informatica or other tools to do mapping from sources to the Target MDM Data Model.
* Excellent understanding of Hub Architecture Style for MDM hubs the registry, repository,hybrid-approach.
* Experience inSystem Development Life Cycle (SDLC), as per Rational Unified Process (RUP), AGILE and Waterfall Methodologies.
* Used NetCDF Java library is an implementation of the CDM which can read many file formats besides NetCDF
* Common Data Model (CDM) for the scientific Datasets which merges the NetCDF,OPeNDAP, and HDF5 data models
* Excellentleadership&team member personality with interpersonal and communication skills and troubleshooting capabilities, highly motivated, result oriented with strong analytical, organizational, presentation and problem-solving skills.
* Tremendous knowledge for creating Databases, Tables, Cluster/Non-Cluster Index, Unique/Check Constraints Views, Stored Procedures, Triggers, Rules.
* Using a text editor such as Notepad to open the MVS file.
* Managing onshore and offshore team.

**Technical Skill Set&Tools Used:**

|  |  |
| --- | --- |
| Data Modeling Gears | Erwin r9.6.01/r9.5/7x/6x/5x, ER/Studio 9.7/9.0/8.0/7.x, Toad, 9.7.2/7.4/7.3. Talend, SSIS, Visio. |
| BI Tools | SAS, IBM Cognos, IBM Netezza,Birst, IBM Cognos TM1, Jaspersoft, IBM Pentoho, Sisense, MicroStrategy, Tableau, Targit, Talend, IBM Data Stage, OBIEE, Excel, SSRS |
| Databases | PostgereSQL, Oracle 11g/10g/9i/8i/7.x, Teradata, HP ALM, DB2 UDB 8.x/7.x, DB2 Z/OS 9.x/8.2, SQL Server 2012R2, 2008/2005/2000, pgAdmin4, PostgreSQL 10, MySQL, MS- Access, Flat Files, XML files. |
| Programming Skills | SQL, PL/SQL, Unix Shell Scripting, JavaScript, Java, C++ (Good Knowledge of Java and C++), R, Python. |
| Operating Systems | Win 95/NT/98/2000/XP, LINUX, Sun Solaris 2.X/5/7/8, IBM AIX 5.3/4.2, HP-UX, MS-DOS |
| Scheduling Tools | Autosys, Maestro (Tivoli), JIRY, SharePoint. |
| Data-Warehousing/Big Data-Warehousing Platforms | Informatica PowerCenter, Informatica V 9.5.1 Hot fix, SharePoint, IBM InfoSphere Data, Apache, Talend Open Studio Hadoop 2.6.0, Birst, NoSQL, MapReduce, Jaspersoft BI Suite, SQL Server Integration Services, SAS, SQL-SERVER Integrated Services, Oracle Data Integrator. |
| Other Tools | SQL Assistant, Oracle ATG, DB Visualizer 6.0, QlikView, Microsoft Office, Microsoft Visio, Microsoft Excel, Microsoft Project, SQL Server 2014, 2008, 2005, 2012R2, and 2008R2, (SSIS), SSRS, SSAS. EMC PX12-450R Network Storage Array. |

**Experience:**

**Wells Fargo Bank, Charlette, NC July 2019 –Till Date**

**System Engineer/ Data Analyst/ Data Moleler/Data Architect**

At Wells Fargo, with Enterprise Risk and Finance Technology, Operational Risk Data Management Team and BRD (Business Requirements document) details business solution for CARAT, RFDIR System Integration Requirement with RFDIR team interacting with Apps and SOR team and understand the architecture work with the team using AGILE scrum methodologies. Work CARAT OLTP database on SQL server and BIKE/BPRM as tactical solutions analyst and work on Foundational components is sourced in CSV file in SHRP data Hub.

Writes stories with detail on Jira to manage and track requirements, also relate them to Jira issues. Manage documents and share with team on SharePoint.

**Tool:** SQL SEVER 2016, TAOD 5.0,Jirra, MongoDB 4.0, SharePoint,Power BI, Visio.

**IBM US Federal, Washington, DC July 2018– July 2019**

**Data Modeler/Data Architect**

Tocreate database design in MongoDB to meet the application’s need to do analysis and depiction of data entities and their relationships for an application, which is based on schema-less documents and collections and the application planning and design phases and working some important Data Modeling keys, Scalability, Performance.References and Embedment for defining the structure and relationships of documents.

**Tool:** MongoDB 4.0, Box,Slack,Cognos, Cassandra.

**MassMutual, Springfield, MA**

**Systems Data Mgmt. / Data Modeler/ Data Architect December 2017 – July 2018**

Revie data model ROM estimate for MoSes project. Working on Financial domain (PARTY, Customer) different project and evaluate high number of existing model and table. Used traditional design if require a modified approach to the model design. Do Analysis on the format of the tables if necessary, with the objective of identifying common formats, of basis for consolidated table layout. Used DataStage to create, edit, load and run DataStage jobs.

* Design new table and creating a data model.
* Build out a data dictionary, generate the DDL.
* Work with DBA to build out a new database.
* To work with team to analyze existing tables identify common patterns in an effort to consolidate.
* Generate the DDL and make any necessary adjustment once the initial design is complete.
* Participation in project meeting
* DataStage parallel Extender
* Transform parallel processing Pipeline andPartition Parallelism in DataStage.

**Tool:** SQL, DB2, SQL Server 2014, 2008 R2, SSMS,Infosphere, SAP Sybase Power Designer. DataStage, Excel, MS 0ffice 2014, Erwin 7.3

**CVS RxConnect, Woonsocket RI April 2016- August 2016**

**Data Architect/ Data Analysis**

The purpose of the Project Charter is to document the reasons for undertaking the Enhanced Pharmacy Credentials project, and assumption, constraints, scope, deliverables, project approach estimated effort, and key stakeholders.

**Information Architecture:**

* Application Architecture
* System Data Architecture

**Data Model for relational database:**

* Create data model
* Create data load

**Technical Architecture:**

* ReConnect Frameworks
* Infrastructure Architecture
* Deployment Architecture
* Security Architecture

**Key Achievements:**

Also designa process for Problematic for SQL for Prod and AWR reportas a **Data Architect** work on **AWR** andNew Defects, identifies the priority. Share SQL\_ID from AWR with Prod Architect to determine if there are pre-existing defects. Once the defect fixed and promoted in production.

**Tool:** Oracle11g, 12c, Oracle SQL Developer, Oracle client 11.2, Oracle Web logic 12.1.2 SharePoint,PL/SQL, SQL Server 2008, and 2008 R2 Excel, OBIEE, MS 0ffice 2007, QlikView, Visio 2010. Citrix web Interface, Java Developer, Eclipse Java EE 4.4, File Zilla 3.3, CA Clarity PMP, Open logic Tortoise 1.9.2, Putty.

**Capital One Bank, West Creek Richmond, VA Oct 2015 - Dec 2015**

**Technical Business Analysis / Data Architect**

Using information in the data warehouse to develop a coherent Work in(FSDM) Financial domain (PARTY, Customer, Profitability, Competitive).

* Analyze and improve businesses.
* Find solutions to problems.
* Build things based on the requirements.
* Identify Risks and register.
* Perform qualitative Risk Analysis.
* Give description of the overall approach to risk on the project.

**Key Achievements**

**SDLC type methodologies for Business Analysis projects**

* Functions and processes.
* Enterprise architecture
* Process architecture
* Technology architecture
* Organization architecture

**Tools Used:** Adobe SiteCatalyst,Oracle11g, 12b, 13g, Erwin 9.6.01,7.5.2,QlikView, NoSQL, Hadoop, Tableau, **Teradata**IBM Cognos, Tableau,Netezza,SharePoint, SSIS, SSAS, SSRS XML, PL/SQL, SQL Server 2005, 2008, and 2008 R2 Excel, OBIEE, Access, Visio.

**Highmark Inc, Pittsburgh, PA May 2015 - July 2015**

**Information Architecture & Modeling**

Highmarkis a not-for-profit health carecompany based in Pittsburgh, Pennsylvania, United States. It is the largest health insurer in Pennsylvania.UseMDM to integrate many sources of data, including hierarchies, Aggregate record specifically using MDM.

**Key Achievements**

* Work with EDW Modeling team: Teradata DBAs
* With EDW team share Model onSharePoint
* Create the Dimensional Model
* Create Erwin subject area for the changes.
* Name the subject
* DB work item Quote
* Update Service Manager phase to in work
* Completing model changes, Save reports
* New Model Mart creates.
* Upgrade During the migration to the new Model Mart.
* Create a Physical Data Model report named: DB work item PDM.pdf
* Create a Data Dictionary report named: DB work item DD.pdf
* Send notification that model change is ready for review
* Turn over model to DBAs upon customer approval
* Save model on LAN intoDBA folder
* Update Service Manager phase: DBA Analysis
* Save reports to Published folder
* Email to requester and CC Team
* Created table for Oracle 13.1 and DB2 8.1
* Create Entity-Relational Model
* Modify and add Column in Model

**Environment**: Oracle, 8 and 11g, DB2, Mainframe, Teradata, QlikView,Infosphere, Erwin 8.0 and 9.3, SharePoint, SSIS, SSAS, SSRS XML, PL/SQL, SQL Server 2005, 2008, 2008 R2 and 2012 R2, Excel, Access, Visio.

**Waddell & Reed, Shawnee Mission, KS April 2015 - May 2015**

**Data Analyst**

Waddell & Reed asset management and financial planning company provide customized financial planning and investment services to clients throughout the United States. Work in Financial domain (PARTY, Customer, Profitability).

**Environment**: Oracle12g, IBM Cognos TM1, Erwin 8.0, NoSQL, Hadoop, Infosphere, Netezza, Talend, QlikView, SSIS, SSAS, SSRS XML, PL/SQL, SQL Server 2005, 2008, 2008 R2, 2012 R2 Excel, Access, Visio.

**Cogent Data Solutions, Hoffman Estate, IL April 2014 - April 2015**

**Senior Data Modeler / Data Architect**

The Developed data models for Cook county, IL government. Thedata model contained data elements of patients and are used to give those patients Preventive health-care. Some elements that are contained in these data models are: find best GP (primary care physician), Hospital, Emergency room (ER), test centers for diagnostics, drugs etc. The scope of the project is to bring down cost of health-care from $850 per person to $90 to $150 per person.

Used Talend Open Studio for ETL design and Data Integration make the development process simpler and faster.Birst’suser-ready data to designed and optimized for ROLAP-style analytics, Kimball style star-schema with a multi-dimensional view of all data.

**Environment:** Oracle 11g, OBIEE, IBM infoSphere, IBM Cognos, IBM Cognos TM1, Netezza,Erwin r9.5,ER/Studio 9.7, IBM InfoSphere Data, HP Hadoop, Data Stage, QlikView, Windows 7 XML, Excel, Access, Visio, SIS, SSRS, MySQL,Tableau, **Teradata,**RazorSQL, SQL Server 2005, 2008, 2008 R2 and 2012, EMC PX12-450R Network Storage Array.

**Volkswagen Group of America, Auburn Hills, MI March 2010 - March 2014**

**Business Analyst / Senior Data Modeler**

Re-factored the data sources and performed work based on requirement priority. Model storm data throughout the project’s complete Software Development Life Cycle (SDLC) using JIT.

**Environment**: Oracle11g, OBIEE, IBM Cognos, Netezza, TM1,Infosphere, Erwin 7.5.2, NoSQL, Hadoop, QlikView, IBM Cognos, Talend, SSIS, SSAS, SSRS XML, PL/SQL, SQL Server 2005, 2008, and 2008 R2 Excel, Access, Visio, Windows XP.

**Chartis International, Parsippany, NJ Aug 2009 - Feb 2010**

**Data modeler / Business Data Analyst**

Attend the JAD sessions for requirements gathering, creating data mapping documents, writing functional specifications, queries. To Created Erwinreports in HTML, RTF format depending upon the requirement, allows business leaders to better understand their clients’ needs and wants.

**Environment:** Oracle 10g, OBIEE, Data Stage, Erwin 7.5.2, HP ALM, Talend, SQL Server 2005, 2008 and 2008 R2 Windows , IBM InfoSphere, SSIS , SSRS XML, Excel, Access, Visio.

**PRA International, Raleigh, NC**  **Jun 2008 - July 2009**

**Data Modeler / Business Data Analyst /Data Architect**

**Project description:**

The purpose of this project was to design an information system for a patient health records in a hospital.

**Environment:** Oracle 10g, OBIEE,Erwin 7.5.2, SQL Server 2005 and 2008, Windows XP, XML, Talend, Excel, Access, Visio.

**Circuit City Stores, Inc. Glen Allen, VA Feb 2000 - Nov 2008 Role: Business data analyst / Data modeler**

Creating Logical and Physical Data Model

**Environment:**Windows 2000, Oracle 8i,OBIEE, ATG Merchandising UI, Data Stage, MS Access, SQL Server 2005 and 2008, Erwin 3.

**Educational Details:**

* Diploma in Computer Network Management (SQL Server, Window Server 2006 -2012 R2, Oracle VM Virtual Box, Switches, Routers, and Security) From Branford Hall Career Institute, Connecticut USA,(2014)
* Bachelors of Engineering Field Of Study Polymer from Central Connecticut State University, USA, (2003)
* Master's degree in Field Of Study Economics from Karachi University ,1991

**Certifications:**

* SQL, MS SQL, C++, Python, R,Java, pgAdmin 4, PostgereSQL, Ruby
* The Data Scientist’sToolbox,DataStage (Johns Hopkins Bloomberg School of Public Health)
* Data Scientist Specialization, Certified Scrum Expert (SEC) & PMP (in progress)