**Suraj KC**

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**SUMMARY**

* 5+ years of professional experience in the IT software industry in Data modeling, Data Architect and Data Warehouse in Healthcare, Financial and IT domain.
* Experienced in design, development, and implementation, Database links, Replication and tuning of Oracle RDBM systems.
* Experienced in implementing Master Data Management (MDM), Operational Data Stores (ODS), OLTP Application and Metadata Repositories with Service Oriented Architecture (SOA).
* Sound knowledge in Conceptual, logical modeling and physical database design for OLTP and OLAP.
* Worked extensively with Dimensional Modeling and Data Migration. Experience in Data Transformation, Data Loading, Data Modeling, Metadata Model, Catalog Creation, Cube Modeling, SDK Development and Performance Tuning.
* Extensive experience in PL/SQL programming: Procedures, Functions, Packages, and Triggers.
* Efficient in data mart design and creation of cubes using dimensional data modeling – identifying Facts and Dimensions, Star Schema and Snowflake Schema.
* Excellent knowledge of administrative claims data and medical coding systems like CPT, HCPCS, ICD-9, ICD-10, NDC, etc.
* Data Analyst for yearly NCQA HEDIS audit and NCQA MCO accreditation process.
* Strong skills performing data analysis, impact analysis, risks analysis, writing test cases for User Acceptance Testing.
* Experienced in all phases of the Software Development Life Cycle (SDLC), Rational unified process (RUP) and SCRUM methodology. Experience in Data Mining and analysis. Extensive expertise in databases like Oracle, SQL.
* Strong Knowledge of SDLC methodology and project life cycle.
* Developed Logical Model and Exposure to data warehouse tuning and Physical Model using Erwin.
* Well versed in Normalization/Denormalization techniques for optimum performance in relational and dimensional database environments.
* Good command in modeling using case tools like Erwin, Oracle Designer, Power Designer, Power Builder & ER/Studio.
* Experience in data profiling, data transformation, data mapping from source to target database schemas and also data cleansing.
* Gathered Functional and Data Requirements, analyzed workflows and created Use Cases, Requirement Specifications, Report Specifications, Data Requirements, Data Mappings and Data Flow Diagrams Good knowledge of DBMS, RDBMS, Distributed Databases and Object-Oriented Techniques.
* Excellent cross-level communication andinterpersonal skills, easily performing liaison role between customers and IT professionals, ensuring clear communication and viable resolutions.

# **TECHNICAL SKILLS:**

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| Database Specialties | Database Architecture, Data Analysis, Enterprise Data Warehouse, Database Design and Modeling, Data Integration and Migration, ETL Architecture and Design, Data Warehouse, OLTP, OLAP, Report Design and Development |
| Data Analysis | User Requirement Gathering, JAD Sessions, User Requirement, Analysis, Gap Analysis, Data Cleansing, Data Transformations, Data Relationships, Source Systems Analysis and Reporting Analysis |
| Database Tools | SQL Plus, SQL Loader, Teradata Manager, SQL Developer, Toad, SSMS |
| Data Modeling Tools | Erwin, Toad, MS-Visio, ER Studio |
| Data Warehousing | Oracle Warehouse Builder, Informatica Designer, Oracle BI |
| RDBMS | Oracle Database, Teradata 12, Oracle Applications, SYBASE, MySQL, SQL Server |
| Web technologies | HTML, DHTML, XML |
| Operating Systems | Windows-95,98,2000/XP/NT/Vista, Advanced-Server 2003, Unix v5.0, Linux-Red Hat v5.0 and |

**UNITED HEALTH GROUP- OPTUM, MN (MAY 2015- PRESENT)**

**Sr. DATA ANALYST/ DATA MODELER**

UHG is the leader in the health insurance, which do business on national and state level across the U.S. This project implemented the performance of Quality Measure on national and state level, including NCQA, IHA based on the need of the client (e.g. HEDIS, CA-P4P, CMS Medicare and Medicaid, PQRS Florida ACHA etc.).

**Responsibilities:**

* Analyzed and developed national and state measures, including HEDIS, P4P, CMS, CHIPRA, CAHPS, Florida ACHA, Maryland State measures,QARR etc.
* Facilitated and tested the built measure with QA for better performance and coverage of the requirement.
* Interacted with client on understanding the individual measure and their needs.
* Performed and coordinated the day to day meeting with technical team, business stakeholder and client to make sure the project is in the right direction.
* Built and wrote the technical specification for each state and national measure from scratch and updated the existing to be par with project needs.
* Created dimensional model based on star schemas and designed them using Erwin.
* Developed Data Mapping, Data Governance, Transformation and Cleansing rules for the Master Data Management Architecture involving OLTP, ODS and OLAP.
* Worked on PL/SQL analysis on Oracle and MS SQL Server database and wrote the automation script for quick turnaround of analysis.
* Developed SQL Queries to fetch complex data from different tables in remote databases using joins, database links and Bulk collects.
* Researched, understood, modified the measure specification into technical design and technical document
* Built the measure using IBM –ODM(Operational Decision Manager) for the swift delivery of the measure
* Did extensive analysis on NCQA measure certification data and quickly implemented into the rules to pass the certification on timely manner.
* Conducted client demo and presented the process to the prospective client.
* Participated in PI(Program Increment) planning for successful implementation of project in agile methodology.
* Performed the gap analysis using Oracle Business Intelligence and SQL procedure and generated the report.
* Prepared weekly/monthly project status reports and keep management informed of project status and related issues.
* Created ad hoc query and report using Oracle Business Intelligence.
* Identify and resolved information flow, content issues and the transformation of business requirements into logical data models.

**ENVIRONMENT:** Oracle 11g, Quality Center, TOAD, Erwin, MS Visio, MS Project, MS SQL Server, Excel, IBM-ODM, Decision Center, Razor SQL, MS Access

**ALLIANZ, MINNEAPOLIS, MN (SEPTEMBER 2013 - APRIL 2015)**

**DATA MODELER/DATA ANALYST/DATA ARCHITECT**

The Interactive Project involved updating and consolidating all of the Allianz external facing websites to one universal platform. The worked involved integrating the existing database and building new one to retire old database and develop the process to maintain and support new web and mobile functionality.

**Responsibilities:**

* Analyzed and developed complex data designs including data models, data profiling and database designs.
* Identify and resolved information flow, content issues and the transformation of business requirements into logical data models
* Analyzed existing Stored Procedures, Tables, Views, and Function etc. to consolidate multiple source system for enterprise level database.
* Designed and developed Stored Procedures, Tables, views,etc. to support UI functionality.
* Acted as liaison between business units and technology groups to identify business processes and system requirements. Including the implementation of an executive portal to deliver knowledge content and Analytical Reporting.
* Involved in SDLC including requirements gathering, designing, developing, testing, and release to the production environment. Developed and maintained Requirement Traceability Matrix (RTM).
* Performed thorough GAP Analysis to check the compatibility of the existing software functionalities with the new business requirements.
* Heavily involved in risk management and fraud prevention activities occurring at all stages of the project.
* Interacted with customer as needed to better define and understand reporting requirements.
* Developed a Conceptual model using Erwin based on requirements analysis
* Developed normalized Logical and Physical database models to design an OLTP system for applications
* Attended meetings with the business, clients and technical teams to discuss the enhancement issues and future design modifications.
* Analyzed, documented and managed requirements as well as changes to requirements using Rational Requisite Pro.
* Working directly with the business to plan and implement reporting solutions.
* Expertise in building business intelligence and corporate performance management solutions including dashboards, score cards, query, and analysis reports with drill up, drill down
* Involved extensively in the Logical, Physical, Transformational and Conceptual stages of Data Modeling, during the Database Design Life Cycle (DDLC).
* Identify and implement new reporting tools or expanded capabilities using existing tools and techniques for the creation and delivery of financial and business information to the business.
* Prepare weekly project status reports and keep management informed of project status and related issues.
* Conducted UAT in the final phase of software development process to check the functionality of the software.

**ENVIRONMENT:**MS SQL Server, Oracle 11g, Oracle EBS, ETL, UML; Rational Rose; Quick Test Pro; Quality Center, TOAD, MS Visio, MS Project, Power Designer, Erwin, Informatica.

**CITI BANK, IRVING, TX                  (JUNE 2012 – AUGUST 2013)**

**DATA MODELER**

An online account switching service: Citi Group is a diversified global financial services company, with its main headquarters in New York. Citi Group has a major presence in the U.S and in over 50 other countries. The project involved in developing a portfolio management system that provided access to comprehensive information for examining and modeling any aspect of a prospective transaction for immediate execution.

**Responsibilities:**

* Involved in Requirement Scoping and analyzing high priority requirement for implementation, creating Project Charter, Business Requirements Document (BRD) and Functional Specifications Document (FSD)
* Liaison between stakeholders, system users, SME, software development team and the QA team throughout all phases in the RUP methodology.
* Developing of analytical tools using Excel Pivot Tables and Look-up functions
* Pioneered personalized e-marketing campaign using CRM to achieve customer loyalty
* Build and execute SQL queries for data mining, data quality, and data trend and data structure analysis. Also used Query Analyzer to check the queries execution time.
* Monitored the progress of the project status with respect to schedules and effort estimates.
* Followed the RUP methodology right from inception to the projects transition.
* Facilitated (JAD) Joint application Development sessions to identify the potential problems and resolve them and then documented them in a format that can be reviewed and understood by both business people and technical people.
* Analyzed Requirements and created Use cases, Use Case diagrams, Activity Diagrams using Rational Rose.
* Helped QA Team in writing test cases, test plans and tested the final application for usability testing to verify whether all the user requirements were catered to by the application.
* Developed test scenarios and test scripts for User Acceptance Testing (UAT)
* Used Rational Clear Quest for defect tracking and change management request and reported them.

**ENVIRONMENT:**Windows XP, Java, XML, HTML, Oracle, SQL Server, RUP, MS-Visio, Rational Clear Case, Rational Clear Quest, Rational Requisite Pro, MS-Project, MS Excel, MS PowerPoint

**EDUCATION**

Associate of Science

Certified Scrum Master