**Emran Hussain**

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**PROFESSIONAL SUMMARY:**

* Over 8+ years of experience as Business Analyst Healthcare in domain. Good understanding of OLTP and OLAP modeling, data mapping, ETL processes and full SDLC. Data Warehouse/Data Mart
* Proficient in Business Requirement gathering, Business Process flow, Business Process Modeling (BPM), with a keen awareness of developers and end-users needs and able to deal with user groups at all levels efficiently.
* Involved in requirements analysis, design and testing phases of Software Development Life Cycle (SDLC) and also in agile methodology.
* Well versed in Software Development Life Cycle (SDLC) management models namely Waterfall and Agile (SCRUM) models.
* Competent in analyzing and creating Narrative Use Cases, User Stories, Use Case Diagrams, Activity diagrams using UML Tools like MS Visio
* Good at Data Modeling, Data Mapping, Data Profiling, Data Visualization, Data Quality (IDQ), Data Cleansing, ETL Processes in Client/Server.
* Excellent skills in facilitating Joint Application Development (JAD) for eliciting functional requirements that support the High Level business requirements and documenting process flows.
* Extensive experience with Data Warehousing, Extraction, Transformation and Loading (ETL) and Business Intelligence (BI) tools.
* Solid business background, including an understanding of technology-governance frameworks, and applications used in financial services including risk and compliance systems.
* Expert in Tracking and Managing the Requirements using Requirement Traceability Matrix (RTM) that controls numerous artifacts produced by the teams across the deliverables for a project.
* Experienced in all data processing phases, from the Enterprise Model, Data Warehousing (ETL)
* Adept at analyzing and eliciting requirements from stakeholders for  Data Migration / Data Mapping projects
* Proficient in writing and executing simple SQL queries against the database to check for the ER relations with the requirements document
* Expertise in assisting the Testing Team in creating the Test Plans, Test Cases and Test Scripts and efficiently prioritize and manage the defects using the Defect Tracking system
* Experienced in conducting User Acceptance Testing at both company and clients premises.
* Performance tuned targets, sources, mappings and sessions, co-coordinated with DBA’s and UNIX administrator for ETL tuning.
* Worked heavily on testing various Data warehouse ETL process with tools includes Informatica, DataStage, Ab Initio, SSIS as well as many reports developed used various BI tools includes Business Objects, Cognos, Micro strategy, OBIEE, SSRS and Crystal Reports .
* Performed Functional, Regression, and system testing of various Facets modules involved in claims processing, members and providers.
* Developed interface for data transfer/data loading using PL/SQL programs, SQL\*Loader & Informatica.

**TECHNICAL SKILLS:**

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| **Requirements Gathering Tools** | Rational Requisite Pro |
| **Designing Tools** | Rational X De, CMMI Models, Dream Weaver, Adobe Photo  Shop, MS Front Page, Paint Shop Pro, Home Site, Visual Studio |
| **Management Tools** | MS Project, MS Visio, MS Word, MS Power Point |
| **Tools** | Rational Requisite Pro, Clear Quest, Clear Case, MS Office Suite GAP Analysis, CICS CMMI, Adobe Acrobat Reader |
| **Operating Systems** | Windows 95, 98, 2000, NT, XP, Vista, Unix |
| **Languages** | C, C++, COBOL,JAVA, J 2EE, VB.Net, C# VB, PHP |
| **ETL Tools** | Datastage, Informatica, Power Center , data mapping, ERWIN |
| **Application Servers** | MS IIS, Web Sphere, Web logic, MS Exchange Server, Share Point |
| **Scripting Languages** | Java Script, Jscript, VB script, HTML, XML, CSS |
| **Testing Tools** | Win Runner, Load Runner, Test Director, QTP, Actuate, Crystal Reports |
| **Database:** | DB2, MS SQL Server, My SQL, MS-Access, ETL & Data Warehousing, Data Mart, |

**PROFESSIONAL EXPERIENCE:**

**BJC HealthCare, St. Louis, MO Sept 2016-Apr 2018**

**Sr. ETL Data Analyst**

BJC HealthCare is one of the largest nonprofit health care organizations in the United States, and is focused full life cycle development of The Data Warehousing database the project was to build a sales data mart and Provided ETL process design and requirements, Data Mapping and BI reporting requirements.

**Responsibilities:**

* Extensive experience in creating the Data Mapping Spread sheets for Data Base and UI (in ETL process)
* Involved in implementation of Business Intelligence Applications using Cogon’s and Business Objects, building Data Marts and enterprise wide Data Warehousing.
* Was involved in analyzing scope of testing the application. Test Strategy was created to test the all modules of the Data Warehouse.
* Extract data from different Data marts for creating strategic Reports
* Created business requirement document for VAR based independent amount calculations for Equity, Credit, Interest Rates and FX swaps
* Involved in analyzing the requirements and created Design Documents and Data Mapping Documents.
* Prepared BRD and test cases for consumption of margin calculations from risk based calculator in to back office collateral management system including feed specifications, dispute handling, and reconciliation and reporting
* Prepare test data in HIPAA compliance for healthcare EDI transactions (837,835). Tested the transaction 837 (claim and encounters).
* Prepared current state and gap analysis documents and presented to senior stake holders for segregation of independent amount and third party custodian interface with help of business and technology partners including cash and securities settlement, reconciliation and reporting
* Comprehensive solution experience with various ETL and Reporting Tools including SSIS, SSRS and SSAS.
* Responsible for attaining HIPAA EDI validation from Medicare, Medicaid and other payers of government carriers. The Claims were processed, co-pay is calculated, and the pricing is calculated using the IBM systems for both Retail and Direct Claims processing flow.
* Assist to define different report (SSRS) after analyzing different source of data (data warehousing).
* Defined various facts and Dimensions in the data mart including Fact less Facts, Aggregate and Summary facts.
* Worked with OLAP tools such as ETL, Data warehousing and Modeling.
* Customer defining, data mapping, code mapping and system maintaining.
* Used Data warehousing for Data Profiling to examine the data available in an existing database.
* Created Test Plans, SQL scripts for verifying the Informatics process as part of the Enterprise Data Warehouse
* Developed user requirement, functional requirement, Multi-Dimensional models, ETL data mapping, and design in the Multi Dimensional logical and OLAP schema. Managed the pre and post deployment of reports.
* Analyzing the system performance. Configured SQL mail agent for sending automatic emails when a SSIS package is failed or succeed.
* The Data Mart collects Data from Numerous healthcare facilities in varying formats and then
* Standardize the data into a common format.
* Facilitated and conducted the weekly meetings, interviews and JAD session on a regular basis with the business partners during the entire SDLC process.
* Documented Data Mappings/ Transformations as per the business requirement.

**Cigna Health Care Insurance Philadelphia, PA May 2014-Aug 2016**

**ETL Data Analyst**

Cigna is a global health service company, dedicated to helping the people we serve improve their health, well-being and sense of security. The data warehouse was implemented ETL process using ODS and Data Mart. Informatics.  
**Responsibilities:**

* Extensively used Informatica client tools. The objective is to extract data stored in Oracle database, flat files to load finally into a single data warehouse repository, which is in Oracle Incorporated instructional design principles, theories, and models that Include audio narration, graphics, pictures, tables, graphs and simulations.
* Working on Data mapping Exercise from source to target for ETL Jobs.
* Gathered requirements from Business Owners, stakeholders, Data Governance Team and the subject matter experts through meetings to understand needs of the system.
* Worked closely with developers and data warehouse team.
* Documented Procedure to pay, Vendor Management, Material Management and Master Data
* Designed and developed more than 60+ Mappings to load data from Source systems to staging Area and then to ODS, and to Data Mart.
* Expertise in broad range of technologies, including business process tools such as Microsoft Project, Primavera, MS Access, MS Visio, technical assessment tools, Data Warehousing concepts and web design and development.
* Involved in data warehouse testing by checking ETL procedures/mappings.
* Worked on HIPAA 4010 Rules and ASC-X12N Transactions.
* Hands-on knowledge of Adobe Captivate (preferably latest version) and familiar with other e-learning authoring tools
* Obtained business requirements from business users and stakeholders using JAD sessions, brain storming sessions, focus groups and personal interviews.
* Developing and Implementing core logic for the tool processing Data Mapping suggestions provided to the end Online support for critical functional areas
* Worked to configure following EDI transaction 277, 837I, P &D, 834.
* Adjudicated medical claims for correct pricing to administer payment to medical providers.
* Identified gaps between standard FACETS functions and client specific requirements to write requirements for FACETS extensions.
* Developed user stories and acceptance criteria using JIRA to facilitate Agile application development.
* Used the Networx- pricer to provide detailed data for healthcare claims and utilized SQL to develop basic queries.
* Involved in Development of Extract, Transform, and Load (ETL) processes.
* Validated the HIPAA/EDI transactions, tested the claims processing and Adjudication (EDI 837 & EDI 835).
* Created SSIS Packages using Control Flow, Data Flow and Scripting tasks for Data Mapping, Data Conversion, Data Cleansing and Reconciliations
* Working with clients to better understand their needs and present solutions using structured SDLC approach.
* Implemented and maintained tools required to support data warehouse testing.
* Designed data warehouse and data marts from scratch and fine tuned existing data warehouses.
* Developed Power Center mappings to extract data from various databases, Flat files and load into Data Mart using the Designer tool.
* Requirements Specifications (SRS), Data Mapping Spread Sheets, Master Test Plan (MTP), Test Cases, Training Documents, Help Documents, Minutes of Meeting.  
  Business Modeling
* ETL Data warehouse Testing of SSIS packages data flow in source to target data base and in files.
* Analyzed business requirements, performed source system analysis, prepared technical design document and source to target data mapping documents
* Develop requirements specifications, design specifications, requirements traceability matrix (RTM), data mapping documents, data flow diagrams, ETL processes, business logic diagrams (BLD), use cases and test cases.
* Involved with creation of UML diagrams such as activity and sequence diagrams by using MS Visio
* Assisted developers in writing of complex SQL queries to resolve data issues in source system databases.
* Used Teradata SQL Assistant to run SQL queries and validate the report's data
* Excellent knowledge on Data warehousing concepts - Star schema, Snow-flake Schema and worked on both OLAP and OLTP databases
* Developed Scorecard report using oracle analytical functions based on the Marketing Data Mart.
* Wrote SQL queries to validate source data versus data in the data warehouse including identification of duplicate records.
* Participated in project decision making surrounding data population, data mapping, tracing and testing strategy and approach.

**Emblem Health, Buffalo, NY May 2012–Apr 2014**

**ETL Tester**

**Project**: Emblem Health is a medical insurance provider based in New York City. Emblem Health provides subsidized health insurance plans to all NY government personnel. I worked as a QA Tester on the GHI/HIP (subsidiary of Emblem) based applications which deal with claims processing of all its members. All claims processed through GHI and HIP systems were migrated to Emblem Claims processing system. We tested the data processed in these claims and claims with invalid information were rejected.

**Responsibilities:**

* Involved in the Business, Functional and ETL Requirement reviews (Deliverables Acceptance Phase).
* I have imparted and organized training to newcomers in the team regarding different technologies like SQL, PL/SQL and different processes.
* Functioned as the Onsite / Offshore coordinator and Team Lead. Participated in business, client and status meetings. Maintain project schedules using Microsoft Project.
* Created test metrics, test strategy, technical test plan, and test scope documents with relevant schedules, resource plans, risk analysis and prioritizations.
* Worked closely with project manager, supporting team and developers to assist in communicating testing results and in resolving test discrepancies across manual, functional automated and performance testing teams.
* Written several complex SQL queries for validating Cognos Reports.
* Designed and developed UNIX shell scripts as part of the ETL process to automate the process of loading, pulling the data for testing ETL loads.
* Worked with business team to test the reports developed in Cognos
* Written several shell scripts using UNIX Korn shell for file transfers and clean up process.
* Tuned ETL jobs/procedures/scripts, SQL queries, PL/SQL procedures to improve the system performance
* Wrote SQL and PL/SQL scripts to perform database testing and to verify data integrity.
* Extract data from Mainframe data sets to compare against Target Values.
* Reported bugs and tracked defects using Quality Center 8.2 (Test Director)
* Involved in extensive DATA validation by writing several complex SQL queries and Involved in back-end testing and worked with data quality issues.
* Conducted Validations for different FACETS modules Providers, Claims and Membership.
* Documented business needs for ICD 10 resulting from the HIPAA 5010 gap analysis.
* Involved in testing of Universes from different data sources like Oracle/SQL Server.
* Provided project managers with clear and concise status reports concerning the progress of work.
* Conducted walk-through for the testware created by internal / external vendors as well as team members and providing testing.
* Involved in data warehouse testing by checking ETL procedures/mappings.
* Validated the Web Services (SOAP), both Request and Response messages. Validated the protocols (TCP/IP, HTTP and HTTPS).
* **Tested reports in Cognos using Analysis studio, Report studio and query studio.**
* Attended defect resolution meetings with the development teams and worked towards bug resolution.
* Validated target table after extracting the data from source tables by running SQL queries using TOAD.
* Designed and documented requirements, scenarios and test cases using Mercury Interactive’s Test Director for a web-based B2B application used by a variety of customers in the Auto Industry.
* Worked extensively in Agile (Scrum) Methodology and participated in Sprint Planning meetings.
* Involved in Functional, Integration, System, Performance, Compatibility, Smoke, GUI, Data Driven and Regression testing.
* Performed Defect Quality Analysis by creating Defect Age\Defect life Cycle Charts.
* Used HP Quality Center 9.2 for Requirements, Test case repository; Test execution and Defect Tracking.
* Generated Test Report (Results) from HP Quality Center for Test Plan and Defect Analysis.

**MVP Health Care, Rochester, NY Jan 2010 – Apr 2012**

**ETL/Data Analyst**

**Description:** The project is to build the Data Marts based on subject areas which is used for report generation to analyze and to take decisions about the their products, eligibility, providers, billing, accounting and claims .This project involved extracting data from Heterogeneous Data sources like Sybase and Flat Files, transforming the data and then loading the data into the target Data Mart for Warehouse operations

**Responsibilities**

* Involved in requirement analysis, ETL design and development for extracting data from source systems: Oracle, flat files, XML files and data mart loading.
* Worked with analysts and data source systems experts to map requirements to ETL code.
* Created packages in SSIS Designer using Control Flow and Data Flow Transformations to implement business rules.
* Maintained Requirement Traceability Matrix (RTM) to make sure that test plans were written for all the requirements.
* Tested the validity of the data cleaning done by the ETL by writing SQL queries.
* Created test cases and test scenarios looking at the PLM Business Requirement Documents: Benefits Requirement Documentation, GCP Documentation for testing.
* Manually performed User Acceptance Testing (UAT).Involved in maintaining Test Matrix and Traceability Matrix and performing Gap Analysis.
* Identified the requirements for accommodating HIPAA standards for 837P transactions and captured these requirements to develop new GUI for the internet based application.
* Extensively worked with EDI transactions such as 837 following the HIPAA compliance EDI standard format of X12
* Involved in Facets implementation, end-to-end testing of Facets applications like Claims Processing, Provider,   Subscriber/Member, Utilization Management, etc.
* Executed test cases for the new market as well as existing market’s various line of business.
* Performed positive testing and negative testing manually.
* Tested the ETL Informatica mappings and other ETL Processes (Data Warehouse Testing)
* Created ETL test data for all ETL mapping rules to test the functionality of the Informatica mapping.
* Used HP ALM Quality Center11.0 and as the bug-reporting tool and testing tool.
* Used Hybrid Methodology (Agile + Waterfall) for System Integration Testing.
* Worked on Waterfall, V-Model, Scrum and Agile SDLC processes.
* Used select, inner joins, aggregates (SQL) to verify data with expected data.
* Wrote SQL queries to validate actual record with expected record data
* Followed a hybrid approach by using both Waterfall and Agile Lifecycle.
* The Targeted testing for most of the projects were testing of Benefits, Claims Payment, Authorization, Pricing, Readiness Review.
* Performed Back end Testing-using SQL queries, generating reports to ensure data integrity and validate the inserted and updated data
* Analyzed the responses of the web service using SOAP UI and validating the data in backend.
* Performed Functional, Regression, and system testing of various Facets modules involved in claims processing, members and providers.
* Responsible for design and implementation for loading ODS and updating warehouse.
* Created utility scripts to manage and scrub incoming source files, to move files between directories, report and trend file metadata and frequency.
* Developed SSIS Packages and SQL scripts to extract the data from OLTP system to flat files and for pre-calculated aggregates, summaries, and user specific calculations.
* Written SQL scripts to avoid Informatica joiners and look-ups to improve performance of data volume.
* Used Control-M to schedule jobs for maintaining database objects & Unix scripts
* Created deployment groups to deploy objects to migrate code to higher environments.