**Vamshi Krishna Ginna**

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**SUMMARY**

* Around 6+ years of IT Experience as a **Data Analyst** especially in Data Warehousing and Business Intelligence applications
* Experience as a Business Analyst for data warehouse with a good knowledge and expertise in all phases of **SDLC** methodology including analysis, design, development, testing and maintenance.
* Experienced in generating and documenting Metadata while designing OLTP and OLAP systems environment
* Extensive work experience in **ER Modeling**, Dimensional Modeling (Star Schema, Snowflake Schema) and Data Warehousing, **OLAP** tools.
* Write code to extract data from the Cosmos data center using Scope on the **Cosmos** system, C , batch files, T-SQL for the MSN NIF pipeline, aggregate data for forwarding to internal teams. Configure and host Malevich site for efficient code review process.
* Designed dynamic SSIS to transfer data crossing different platforms, validate data during transferring, and archived data files for different RDBMS.
* Conducting Smoke Testing, UAT testing, Integration testing, Regression testing, Back - end testing, UI testing, Parallel testing
* Excellent T-SQL development skills to write complex queries involving multiple tables, great ability to develop and maintain stored procedures, triggers, user defined functions.
* Data Modeler with strong Conceptual, Logical and Physical Data **Modeling** skills, Data **Profiling** skills, Maintaining **Data** **Quality**, experience with **JAD** sessions for requirements gathering, creating data mapping documents, writing functional specifications, queries.
* Experience in query optimization, performance and tuning (PL/SQL) using SQL Trace, Explain Plan, Indexing, Hints, Bulk Binds, Bulk Collect, Creation of global temporary tables and table partitioning.
* Experience with Mainframe systems COBOL, JCL, CICS, VSAM, DB2, IMS, IDMS and also conversion of Mainframe data to ETL Staging tables.
* Worked with AWS Cloud platform and its features which includes EC2, VPC, RDS, EBS, S3, Cloud Watch, Cloud Trail, Cloud Formation and Auto scaling etc.
* High expertise in tracing requirements throughout the development process and verifying adherence to Requirement Traceability Matrix (RTM).
* Expertise in performing GAP analysis, Requirements Traceability Matrix (RTM), Data mapping and Data Modeling.
* Have good working knowledge and experience on Microsoft Word, Excel, Visio, PowerPoint and HP Quality Center.
* Experience in conducting GAP analysis, SWOT analysis, Cost benefit analysis and ROI analysis.
* Used AWS command line client and management console to interact with AWS resources and APIs.
* Expertise in Gathering and Analyzing Information Requirements, Data Analysis, Data Architecture, Business E-R modeling, Dimensional Modeling, ETL Design
* Experience in Informatica Power Center 9x/8.x/7x with Oracle 11g/9i/10g, SSIS and SQL Server Data Warehouse in Microsoft DW/BI environments.
* Designed Logical/ Physical Data **Model** for E-Delivery System Using **ER**-**Studio**.
* Created SQL Loader Scripts, table sizing, indexing, table partition, **SQL** **tuning**.
* Created and executed UAT test scripts in Quality center and logged issues in Quality Center
* Created/ Tuned **PL/SQL** Procedures, SQL queries for Data **Validation** for **ETL** Process.
* Created Validation reports/System integration reports by Oracle Developer Suite 10g.
* Demonstrated strong development skills in creating custom web parts, timer jobs, event receivers, and workflows
* Experience in developing **conceptual, logical and physical data models** as per enterprise standards
* Proficient in Data Analysis on **Oracle, MS SQL Server & MS Access** with sound knowledge in extraction of data from various database sources like **Oracle, MS SQL Server, DB2** and Flat files into the Data Stage.
* Experienced in designing the Conceptual, Logical and Physical data modeling using **Erwin** and **ER Studio**, Data modeling tools.
* Proficient in transforming data from various sources (flat files, mainframe, Oracle) to Data warehouse using **SQL\*LOADER** and External table.
* Experience in leading and managing teams. Handled multiple roles including Data Architect, Onsite coordinator
* Experience in **Teradata Enterprise Data Warehouse** (EDW) and Data Mart.
* Extensive experience in enterprise Data flow analysis, data modeling and analytics (**SSRS, SSAS, SSIS, ETL, MDM**, Entity Data Models and data warehousing) incorporating transaction oriented business/service level data processes and metadata collection techniques to enhance informatics strategies.
* Participated in development/implementation of Cloudera Hadoop environment.
* Proficient in **Normalization/De-normalization** techniques in relational/dimensional databases.
* Experience in writing **SQL queries** and optimizing the queries in **Sybase, Oracle and SQL Server**

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| **Data Modeling Tools** | Erwin 9x, 8x, 7x, Sybase Power Designer, ER Studio and Oracle Designer, MDM 4.1.3 MDM Tool. |
| **Data Modeling** | Logical Model, Conceptual Model, Physical Model, Star-Schema Modeling, Snowflake Schema, FACT & Dimension, OLAP, HOLAP, MOLAP, ROLAP |
| **OLAP Tools** | Tableau, SAP BO, SSAS, Business Objects, and Crystal Reports 9. |
| **ETL Tools** | SSIS, Informatica, Power Center 6.0/7.1/8.1.1, Power Mart 6.0. |
| **Programming Languages** | Java, Base SAS and SAS/SQL, SQL, T-SQL, UNIX shells scripting, PL/SQL. |
| **Database Tools** | Microsoft SQL Server 2000/2008/2012, IBM DB2, Teradata, Oracle 12c/10g/9i, and MS Access, PostgreSQL. |
| **Packages** | Microsoft Office 2010, Microsoft Project 2010, SAP and Microsoft Visio, Share point Portal Server 2003/2007. |
| **Operating Systems** | Microsoft Windows 9x / NT / 2000/XP / Vista/7 and UNIX. |
| **Quality Assurance Tools** | Quick Test Pro, Win Runner, Load Runner, Quality Center. |
| **Other Tools** | MS-Office suite (Word, Excel, Project and Outlook), BTEQ, Teradata, SQL Assistant. |
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**TECHNICAL SKILLS:**

**PROFESSIONAL EXPERIENCE:**

***City National Bank Corp, Los Angeles, CA Jan 2019-Present***

***Data Analyst***

**Responsibilities**

* Worked with Business Users to define and document explicit business requirements for implementing subject areas in the Enterprise Data Warehouse and corresponding reports
* Identifying and translate data and reporting needs into clearly defined requirements
* Performed data analysis by writing complex PL/SQL queries on various source systems and data warehouse to find trends and anomalies in the data in support of the requirements for various strategic and/or tactical projects \* Serve as Subject Matter Expert on a particular system and its data, and guide the development activities with assumptions and data dependencies
* Develop / Auto deploy content using AWS (Amazon Web Services), GIT/Bit bucket, Maven, Jenkins
* Develop custom tools/scripts/packaging solutions for AEM using Java/Unix
* Develop integration solutions between AEM, AWS (Lambda, S3, API Gateway and Cloud Formation) and Spredfast (Social) Platforms
* Developed detailed ERDs and DFDs using various modeling tools and developed databases based on the system model following the techniques in SDLC (software development life cycle)
* Gathered, Analyzed and Translated systems requirements into technical specifications utilizing UML and RUP methodology. Responsible for creating different sessions and workflows to load the data to Data Warehouse using Confidential Workflow Manager
* Worked on AWS Elastic Beanstalk to deploy, monitor, and scale an application
* Create new EC2 instance in AWS, allocate volumes and giving Provisionals using IAM
* Worked on the Reports module of the project as a developer on MS SQL Server 2005 (using SSRS, T-SQL, scripts, stored procedures and views).
* Used DTS/SSIS and T-SQL stored procedures to transfer data from OLTP databases to staging area and finally transfer into data marts and performed action in XML.
* Identify data quality issues and concerns and support the data governance initiative by being involved in various data initiatives
* Used Amazon IAM to grant fine-grained access to AWS resources to users. Also, managed roles including permissions of users to AWS account through IAM
* Conducted on-going analysis of the business, operating practices, and data flows within and between various systems and applications
* Coordinated with onsite/offshore resources to fix Quality Center queries during SIT and UAT.
* May be required to assist in maintaining the data model for both Operational Data Store (ODS) as well as the analytical Enterprise Data Warehouse (EDW)
* Keeps informed of existing and evolving best practice, industry standards and technologies
* Fosters and maintains good relationships with colleagues to meet expected customer service levels
* Maintained all appropriate training and continuing education requirements for both internal programs and external licenses and certifications
* Involved in UAT of the applications by providing users with test cases and scenarios, and guiding them during the testing process.
* Created and executed UAT test scripts in Quality center and logged issues in Quality Center
* Build strong relationships within the business units and support functions to understand the business needs
* Collaborate with development and testing teams to provide subject matter expertise and to assist in troubleshooting and resolving issues
* Involved in UAT of the applications by providing users with test cases and scenarios, and guiding them during the testing process.
* Participate in the development and planning of the User Acceptance Testing activities, including test plans and scripts, based on requirements
* Bachelor's degree in Computer Science or related technologies

**PROFESSIONAL EXPERIENCE:**

***SunTrust Mortgage, Inc, Atlanta, GA Jan 2017-Present***

***Sr. Data Analyst***

**Responsibilities**

* Gathered and translated business requirements into detailed, production-level technical specifications, new features, and enhancements to existing technical business functionality.
* Involved in the redesign of the existing OLTP system.
* Used advanced features of T-SQL in order to design and tune T-SQL to interface with the Database and other applications in the most efficient manner and created stored Procedures for the business logic using T-SQL.
* Used indexes to enhance the performance of individual queries and enhance the Stored Procedures.
* Managed all indexing, debugging, optimization and performance tuning using SQL Profile and SQL Server Agent.
* Designed, developed, and tested stored procedures, views and complex queries for Reports distribution.
* Developed database triggers and stored procedures using T-SQL cursors and tables.
* Involved in defining the source to target data mappings, business rules, and business and data definitions.
* Developed Project Plan with Project manager’s assistance for the first two phases of the Project.
* Worked with DBAs to recreate a best fit physical data model from the logical data model
* Performed Data modeling using Erwin, maintaining the database schema.
* Experienced in full life cycle MDM development including data analysis, database design, data mapping and data load in batch.
* Involved in Data Analysis, Data Cleansing, Requirements gathering, Business Analysis, Entity Relationship diagrams (ERD), Architectural design docs, Functional and Technical design docs, and Process Flow diagrams
* Handled and maintained model versioning using Erwin.
* Created entity / process association matrices, entity-relationship diagrams, functional decomposition diagrams and data flow diagrams.
* Defined program and project goals, objectives, products, services, constraints, assumptions, risks and facilitated processes by working with the project team, sponsor, and stakeholders to baseline the scope of the work and enable development of the plan.
* Designed and Developed complex SSIS packages for performing ETL process using SQL Server 2008 Integration Services.
* Created complex Stored Procedures, Functions, Views, Indexes, SQL joins and Sub queries for applications.
* Worked using integration services for transferring and reviewing data from heterogeneous sources like (Flat file, Excel, CSV, Oracle, MS Access).
* Worked on Data Mapping to map Facets data to outbound eligibility extracts.
* Wrote complex SQL queries to extract and validate the data from the Facets database for member and claims data.
* For data validation purposes, manipulated member’s information in the Testing environment through Facets front-end application.
* Responsible for Data Profiling to determine data integrity for transformation of Data from Source to Target.
* Migrated Data from MS Excel to SQL Server Reporting Service Using DTS and SQL loader utilities.
* Created DTS Packages for migration of data between MS SQL Server database and other databases like MS Access, MS Excel and Flat Files.
* Developed several detail and summary reports including line and pie charts, trend analysis reports and sub-reports according to business requirements using SQL Server Reporting Services (SSRS).
* Used Bulk Insert to load large data into staging table.
* Conducted and automated the ETL operations to Extract data from multiple data sources, transform inconsistent and missing data to consistent and reliable data and finally load it into the Multi-dimensional data warehouse.
* Monitored time taking queries with Performance Tuning to reduce the execution time and created packages in SSIS with error handling and also tested the packages for Incremental Data Load & duplications.
* Developed various types of reports like Drill down, Drill through, tabular, matrix and parameterized reports using SQL Server Reporting Services 2008.
* Performed different queries in MS access, exported data to excel for data analysis
* Analyzed data and generated different kinds of graphs, charts using Excel.
* Troubleshot existing custom workflow to increase reliability of performance and functionality

***Magyar Bank, New Brunswick, NJ August 2015 - Dec 2016***

***Data Analyst***

**Responsibilities**

* Designed different type of STAR schemas like detailed data marts and Plan data marts, Monthly Summary data marts using Erwin with various Dimensions Like Time, Services, Customers and various FACT Tables.
* Assisted in migration of data is performed from various OLTP servers and documented issues related to data cleansing.
* Created data mapping documents mapping Logical Data Elements to Physical Data Elements and Source Data Elements to Destination Data Elements.
* Identified entities and attributes and developed conceptual, logical and physical models using Erwin.
* Used reverse engineering to create Graphical Representation (E-R diagram) and to connect to existing database.
* Generated comprehensive analytical reports by running SQL queries against current databases to conduct data analysis.
* Ingesting data to Hadoop from variety of sources like ERP, CRM and transactional systems.
* Building Hadoop based ETL workflow to transform and aggregate data.
* Mapped the data between Source and Targets.
* Writing Complex SQL queries in Teradata to pull the records with data issues reported by the users using complex joins, partitions, ordered analytical functions, aggregate functions etc.
* Created documents for logical, physical and dimensional data models.
* Created various SQL Schema, Triggers, views, index/keys and stored procedures along with compiling them in SQL server and troubleshoot errors.
* Developed Stored Procedures, Functions, Packages and SQL Scripts using PL/SQL.
* Involved in creating various **PL/SQL stored procedures**, **views, functions** and temporary tables for data input to the Crystal Reports.
* Created custom PowerShell Scripts to automate site creation and data transfer from old SharePoint environment to SharePoint 2010
* Data loaded from legacy systems (ETL Operations) using PL/SQL and SQL\*Loader.
* Lead development team in migrating and updating custom SharePoint solutions from previous environment to be compatible with new 2010 features.
* Created custom list views using SharePoint Designer to create data connections using DataView web part and created custom look and feel using XSL
* Created data model for the star schema using Erwin, created DDL scripts for static dimensions.
* Analysing query results in Excel, creating pivot table/chart reports etc and sharing them with MDM team members.
* Developed data mapping documents between Legacy, Production, and User Interface Systems.
* Responsibilities include gathering business requirements, developing strategy for data cleansing and data migration, writing functional and technical specifications, creating source to target mapping, designing data profiling and data validation jobs in Data Stage, and creating ETL jobs in Data Stage.
* Creating or modifying the T-SQL queries as per the business requirements.
* Generated high quality reports in the form of listing, HTML and PDF formats using SAS ODS
* Designed and Developed Oracle database Tables, Views, Indexes with proper privileges and Maintained and updated the database by deleting and removing old data
* Managed full SDLC processes involving requirements management, workflow analysis, source data analysis, data mapping, metadata management, data quality, testing strategy and maintenance of the model.
* Instead of adding extra columns for existing tables, wrote procedures for creating datasheets and link the datasheet for table and use that datasheet for storing data as table columns.
* Imported millions of records from .CSV files .TXT files using SQL \* LOADER and Test Importer.

***Assurant Health, Milwaukee, WI July 2013 - August 2015***

***Data Analyst***

**Responsibilities:**

* Played key role in System Development Life Cycle Process consisting of: Design and Gap Analysis, Business Requirements, Systems Requirements, Test Criteria, and Implementation to have the outputs of project dealt with the automation of correspondence directed to Insurance policy owners.
* Worked as a Data Analyst in order to gather requirements and reaching each and every deadline well ahead of the time line. Methods employed were in compliance with IIBA standards.
* Performed analysis on enterprise data/report integration & provided functional specification to development team to build Enterprise Reporting Systems.
* Collected business requirements to set rules for proper data transfer from Data Source to Data Target in Data Mapping.
* Involved in Facets System implementation, Electronic Claims and Benefits configuration set-up testing, Inbound/Outbound Interfaces and Extensions, Load and extraction programs involving HIPPA 835 and proprietary format files and Reports development.
* Responsible for creating Well-Architected Application on AWS using Auto scaling, SQS, SNS, ELB, Caching and database layer as necessary.
* Created an AWS Identity and Access Management role for specific privileged user with cross-account access to resources in AWS Account.
* Working closely with PMO, Developers and QA team from building the infrastructure and application troubleshooting.
* Design high availability applications on AWS across availability zones and availability regions.
* Design applications on AWS taking advantage of disaster recovery design guidelines.
* Defined Functional Test Cases, documented, Executed test script in Facets system.
* Performing data mapping for the application, confirm and vacillating the requirement at time of testing.
* Worked on HIPAA Transactions and Code Sets Standards according to the test scenarios such as 837 health care claim transactions.
* Researched the existing client processes and guided the team in aligning with the HIPAA rules and regulations for the systems for all the EDI transaction sets.
* Data mapping, logical data modeling, created class diagrams and ER diagrams and used SQL queries to filter data within the Oracle database.
* Tuned SQL queries using optimal indexing and analyzing tables. Used EXPLAIN PLAN to understand the execution path of the SQL queries.
* Gathered requirements and modeled the data warehouse and the underlying transactional database
* Perform Gap Analysis of the processes to identify and validate requirements.
* Identified/documented data sources and transformation rules required populating and maintaining data warehouse content.
* Scheduled business object reports using Broadcast agent
* Involved in the testing phase right from the Unit testing to the User Acceptance testing.
* Used SDLC (System Development Life Cycle) methodologies like the RUP and the waterfall.
* Successfully conducted JAD sessions, which helped synchronize the different stakeholders on their objectives and helped the developers to have a clear-cut picture of the project.
* Use Cases and other Process Flow Models were designed using Visio and Rational Rose

***Dept. Of Justice, Raleigh, North Carolina June 2012-June 2013***

***Business/Data Analyst***

**Responsibilities**

* **Analysis** of functional and **non-functional** categorized data elements for data profiling and **mapping from source to target data environment**. Developed working documents to support findings and assign specific tasks
* Involved with **data** **profiling** for multiple sources and answered **complex business questions by providing data to business users.**
* Worked with data **investigation, discovery** and mapping tools to scan every single data record from many sources.
* Performed **data mining** on Claims data using very complex SQL queries and discovered claims pattern.
* Created **DML code and statements** for underlying & impacting databases.
* Extensively used **ETL methodology for supporting data extraction**, transformations and loading processing, in a **complex EDW** using Informatica.
* Perform **data reconciliation** between integrated systems.
* Written **complex SQL queries** for validating the data against different kinds of reports generated by **Business Objects XIR2**
* Extensively used **MS Access** to pull the data from various data bases and integrate the data.
* Performed **data analysis** and**data profiling**using complex **SQL** on various sources systems including Oracle and **Teradata**.
* Responsible for different Data mapping activities from Source systems to **Teradata**
* Assisted in the oversight for **compliance to the Enterprise** Data Standards
* Worked in importing and cleansing of data from various sources like **Teradata, Oracle, flat files,** SQL Server 2005 with high volume data
* Worked with **Excel Pivot** tables.
* Create and Monitor workflows using **workflow designer** and workflow monitor.
* Performing **data management projects and fulfilling ad-hoc** requests according to user specifications by utilizing data management software programs and tools like Perl, Toad, MS Access, Excel and SQL.
* Delivered a foundation of comprehensive requirements & high-level design to transition a paper-based legacy mortgage foreclosure system into a modernized efficient application as part of project.