**Victor Bhattarai**

Data Analyst

**SUMMARY:**

* 6+ years of Experience in IT Design, Development, Testing and Production Support, requirements gathering, analysis, ETL design, development, testing and reporting of data warehousing systems.
* Extremely passionate about turning data into profitable insights for businesses.
* Experience in various phases of Software Development Life Cycle (analysis, gathering requirements, and design) with expertise in documenting various requirement specifications, functional specifications, test plans, source to target mappings, and joins.
* Highly proficient on the phases of Agile and Scrum Methodology.
* Strong skills in reporting applications: Tableau, Spotfire, SAS, MicroStrategy, Business Objects, Power BI and Qlikview.
* Extensive experience in writing complex SQL queries, PL/SQL, stored procedures, packages, view, synonyms.
* Excellent command over Logical and Physical entity relationship data modeling using Modeling tools.
* Strong experience in Database Modeling, Data Mapping, ETL, Data Quality Management, Data Analysis, Requirement Analysis, Business Modeling, Data Migration, Data profiling, Dimensional Modeling, Entity Relationship Diagrams ERD, SQL and reporting process.
* Expert in writing SQL queries and optimizing the queries in Oracle, SQL Server and Teradata.
* Experience in designing business models using Business Intelligence, use case models, workflow models, analysis models, activity diagrams, sequence diagrams, and collaboration diagrams.
* Strong experience in Data Analysis, Data Migration, Data Cleansing, Transformation, Integration, Data Import, and Data Export through the use of multiple ETL tools such as SSIS and Informatica PowerCenter.
* Experience in designing complex reports like reports using Cascading parameters, Drill-Through Reports, Parameterized Reports and Report Models and ad hoc reports using SQL Server Reporting Services (SSRS) based on client requirement.
* Experience in creating reports and dashboards in Tableau which includes Filters, Quick Filters, Table calculations and dynamic parameters.
* Experienced in using tools such as JIRA, Rally, Quality Center/ ALM for Defect Management/ Problem solving, reporting including tracking bugs.
* Strong experience in Data Analysis, Data Migration, Data Cleansing, Transformation, Integration, Data Import, and Data Export.
* Good Team Player with excellent communication, analytical, verbal and writing skills along with strong management, organizational and mentoring skills.

**TECHNICAL SKILLS:**

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| **Methodology** | Waterfall, V Model and Agile-scrum |
| **ETL Tools** | Informatica Power Center, MS SQL Server Integration Services (SSIS), Data Stage, MDM |
| **Reporting Tools** | Power BI,COGNOS BI- Framework manager, Query studio, Report studio, Tableau, SSRS, SAS, SAP, MicroStrategy, Crystal Reports |
| **Data Modeling** | Erwin, Star-Schema Modeling, Snowflake Schema Modeling, FACT & Dimension Tables |
| **Programming Languages** | SQL, PL/SQL, HTML, Visual Basic, Java, UNIX SHELL SCRIPTING, Python |
| **Database** | Oracle, Teradata, DB2, MS SQL Server |
| **Operating System** | Windows, UNIX, Linux |
| **Programming Tools** | SQL\*PLUS, SQL\* Loader, TOAD, Putty |
| **Defect Management** | HP Quality Centre/ ALM, JIRA |

**WORK EXPERIENCES:**

**Integrys Energy, Green Bay, WI       January 2018 to Present**

**Data Analyst**

Integrys Energy Services, a subsidiary of Integrys Energy Group (NYSE: TEG), offers retail and wholesale products, primarily natural gas and electric power, in non-regulated energy markets in the United States and Canada concentrating its operations in the northeast quadrant of the United States and adjacent portions of Canada as well as Texas. The project was modifying the web-application and customized such way that give better idea about market, demand & supply, list of items for Sales with quantity and availability.

**Responsibilities:**

* Involved in the functional requirements gathering and Identification of relevant design, process and specification issue.
* Worked directly with internal customers to understand the business environment and needs.
* Performed data analysis to understand data flows.
* Performed gap analysis and data mapping.
* Performed data quality checks.
* Performed data and business rules validation and verification.
* Worked with the business users to understand & documented the design and functionality requirements.
* Performed detailed analysis of complex business processes, data requirements and proposes solutions.
* Used Python to perform Big Data Analysis and Tableau for visualization. Utilized the best practices for processes, documentation, and recruitment of analysts with the correct skill set of business and data analytics.
* Ensured quality and accuracy of all reported data.
* Provided mapping and modeling, worked on creation of class diagrams and ER diagrams and used SQL queries to filter data within the Oracle database.
* Involved in designing and developing Data Models and Data Marts that support the Business Intelligence Data Warehouse.
* Trained new hires, including six data analysts in BI roles. Trained/mentored new employees. Effectively communicated remotely with internal stakeholders and managers.
* Created technical design documentation for the data models, data flow control process, metadata management.
* Designed and developed Big Data analytics platform for processing customer viewing preferences and social media comments using Java, Hadoop, Hive and Pig.
* Contributed to the development of powerful data analytics and visualizations with Tableau that were used to drive business decisions, including decision trees, clustering, and other predictive visuals.
* Analyzed Business Requirements and segregated them into high and low-level Use Cases and Activity Diagrams using MS Visio.
* Worked closely with other BAs and ETL Leads/Managers and was responsible to perform detailed data requirements analysis and created design specifications and operational documentation.
* Provided the ETL team with the Data mapping document and assisted them to create the mappings.
* Designed and developed project document templates based on SDLC- Agile/Scrum methodology.
* Extensively used ETL tool Informatica power center for extraction, transformation and loading process.
* Building, publishing customized interactive reports and dashboards, report scheduling using Tableau server.
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in Tableau.
* Worked extensively in documenting the Source to Target Mapping documents with data transformation logic.
* Extensively worked on some phases of data warehousing and business intelligence projects like data mining, data cleansing, data modeling for data mart, ETL (source, target, translation), Indexing, data updating plan, data presentation to business users, auditing, backup and recovery.
* Responsible for self-driven data gathering based on business inquiries, processing data within data warehouse by using SQL, and conducting statistical analyses, helping to drive profitability in the business.
* Performed A/B testing, data visualization, and analyzing overall concept dashboards as well as detail by store.
* Written Complex SQL scripts and analyzed them for effective Data validation and Data Integration purposes during ETL/Backend Testing.
* Automated the critical business processes in excel by writing excel macros (VBA).
* Performed data analysis and data profiling using complex SQL and PL/SQL on Teradata.
* Performed data integrity checks, data cleaning, exploratory analysis and feature engineer using Python.
* Performed User Acceptance Testing (UAT), Unit Testing and Documenting.
* Used JIRA as a defect logging tool to log the defects.
* Created test cases for carrying out unit testing and part of functional testing.
* Monitored defect lifecycle to ensure the defects are validated, fixed, and re-tested in time using JIRA.
* Developed Stored Procedures, Functions, Packages and SQL Scripts using PL/SQL.
* Used MS Excel, Word, Access, and Power Point to process data, create reports, analyze metrics, implement verification procedures, and fulfill client requests for information.

**Environment:** SQL, PL/SQL, Oracle, Teradata, Windows, Excel, Unix, Pivot Tables, Tableau, Erwin, Informatica, Agile, UML Diagrams and Flow Charts, VBA, MS Office, MS Access, Python, Hadoop, ALM/Quality Center, JIRA.

**Citibank, Miami, FL January 2015 to December 2017**

**Data Analyst**

A security product built on Citibank's desired security architecture. It provides a set of services that any financial institution can use to meet their security requirements. These security services help in defining and enforcing the security checks and policies at the individual application level as well as on a group of applications running at a site. CitiSAFE also provides peripherals built around the security services, like Common Login Program, to enable users for a single sign-on to multiple applications like servers, databases, etc. It also provides Public API’s as a set of library functions to ease the development of application interface with CitiSAFE.

**Responsibilities:**

* Followed agile methodology and participated/arranged daily sprints to keep the pace of task assignments and achieve desired target dates.
* Gathered requirements, worked on finding gaps, and translated business requirements combined with domain knowledge into functional, interactive and insightful business reports and dashboards using Tableau.
* Participated in discussions with project manager and other stakeholders to identify business requirements and current solutions. Implemented Tableau Business Intelligence solution for different teams in the organization.
* Built framework, prioritized and led reports and dashboard migration project from legacy system into Tableau for better enterprise reporting. Created reports and dashboards by extracting data from multiple data source systems such as flat files, Excel, Oracle, Teradata and SQL Server using SAS and SQL to query.
* Develop subject matter expertise (SME) knowledge on specific data sources, and represent that SME knowledge as a service to peer functional teams for analytical projects.
* Created data mapping, data lineage, data integration and data quality analysis documents.
* Worked with ETL teams to deliver the reporting layer composed of the highly tuned and aggregated tables designed from the base tables.
* Built and maintained data pipelines to update dashboards using advanced SQL functions and consolidated huge volumes of raw data into presentable format.
* Developed Tableau data visualization using Cross tabs, Heat maps, Box and Whisker charts, Scatter Plots, Geographic Map, Pie Charts and Bar Charts and Density Chart.
* Extensively worked on Data Modeling tools Erwin Data Modeler to design the data models.
* Worked on data profiling and analyze data in the database SQL Server by running SQL queries.
* Designed and developed the star schema Data model, Fact Tables to load the Data into Data Warehouse including Data Mining, Profiling.
* Participated in integration of MDM (Master Data Management) Hub and data warehouses.
* Managed and reviewed Hadoop log files.
* Worked on data cleansing and standardization using the cleanse functions in Data Governance MDM.
* Maintained and promoted key data governance deliverables/assets, including data policies, data standards and data management roles and decision frameworks.
* Extensively used ETL methodology for supporting data extraction, transformations and loading processing, in a complex EDW using Informatica.
* Developed and deployed different kinds of reports: simple, parameterized, drill-down, ad hoc, linked, snapshot, Cross-tab, sub reports etc. using SSRS.
* Created Access front-end and SQL server database, including security part front-end, based user’s levels, separate user’s access to different layers of information, security password parts, forms, queries and reports design, coding in Access, Excel, VBA and SQL, prepare tables, relationships, stored procedures, views, data transfer packages.
* Also worked with data modelers to ensure new requirements worked into the physical and logical data models for the AEDW.
* Enhanced and bug fixed security operations issues in the SIT/UAT/PROD.
* Created views in Tableau Desktop that were published to internal team for review and further data analysis and preparing Dashboards using calculations, parameters, calculated fields, groups, sets and hierarchies in Tableau.
* Tracked with end users and solved their bugs, other major and minor issues in Quality Center.
* Involved in Unit Testing, Functional, Integration and Regression testing, System testing and UAT testing.
* Conducted Oracle database testing by developing SQL Queries.
* Developed various analytical reports from existing data sources by blending data on a single worksheet in Tableau.
* Created and updated several PL/SQL Index, Views, Complex Stored Procedures and triggers.
* Developed and delivered dynamic reporting solutions using CIS view and Tableau dashboard.
* Verified that the data required resides within the files that the source system is landing.

**Environment:** Agile/Scrum, Quality Center, UAT, Tableau, Teradata, OLTP, VBA, SQL, PL/SQL, T-SQL, SSRS, Informatica, MS Office, Windows.

**Bed Bath & Beyond, Union, NJ October 2013 – November 2014**

**Data Analyst**

Bed Bath & Beyond (BBB) is the superstore domestics retailer in the United States that has everything you need to play "house" for real. The project involved creating advanced in-depth analyses, data visualization and reports to support many operational areas within the company. Focused on ROI analyses and determine financial savings opportunities by processing large amount of data.

My role as a Data analyst includes organizing and extracting useful information from data to design and craft custom, comprehensive reports. The reports I create include relevant statistics, graphical analysis, and insightful conclusions that help inform and advise clients with developmental decision-making.

**Responsibilities:**

* Conducted meetings, gathered requirements, analyzed requirements, created Data Flow Diagrams, Use Case Diagrams.
* Worked in data migration designed for data modeling and developing by analyzing, stewarding and documenting process.
* Prepared datasets for the purpose of analysis and validations using SQL quires from existing database.
* Understand the existing data warehouse and analyze it for purpose of migration to other data warehouse.
* Collaborated with team in data stewarding and validations for the purpose of data merging process.
* Accomplished the data mapping documentations for database updates.
* Analyzed the reference of data which is extract from source table and transform to the target table by using the SQL query.
* Worked with ETL teams to deliver the reporting layer composed of the highly tuned and aggregated tables designed from the base tables.
* Performed numerous data pulling requests using SQL for analysis.
* Used Joins like Inner Join, Outer join while creating tables from multiple tables.
* Worked on Data Verifications and Validations to evaluate the data generated according to the requirements is appropriate and consistent.
* SQL, ETL tools, and data integration methods.
* Designed Enterprise reports using SQL Server Reporting Services (SSRS).
* Used ETL process to Extract, Transform and Load the data into stage area and data warehouse.
* Did Transformation and data cleansing activities use various Control flow and data flow tasks in SSIS packages during data migration.
* Created and managed Event Handlers, Package Configurations, Logging, System and User-defined Variables for SSIS Packages.
* Extracted data from existing data stores, Developed and executed departmental reports for performance and response purposes by using SQL, procedures, packages, functions, database triggers.
* Created numerous views with complex SQL statements to retrieve data from the Tables.
* 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.
* Performed Detailed Data Analysis (DDA), Data Quality Analysis (DQA) and Data profiling on source Data.
* Involved in designing the integrated Data Warehouse for the company to store the data from the OLTP systems.
* Designed and developed Data warehouse, Data marts, star schemas, fact table, Dimension tables, Slowly Changing Dimension, Staging areas, Operational Data Store.
* Developed various complex reports in SSRS, Standard Tabular type reports and Matrix Reports including Drill Down and Drill through functionality and created visualizations such as Charts and Dashboard type metrics for effective analysis and presentations.
* Created Stored Procedures, Functions, Packages and Triggers using PL/SQL.
* Created Calculated Columns and Measures in Power BI and Excel using DAX queries.
* Created Power BI reports and Dashboards using Power BI Desktop & Web Interface.
* Worked extensively with the QA team for designing Test Plan and Test Cases for the User Acceptance Testing.

**Environment:** SQL, PL/SQL, Oracle, Windows, Excel, Oracle, Unix, Pivot Tables, Power BI, SSIS, SSRS, Agile, MS Office, MS Access, Quality Center.

**EDUCATION:**

Bachelors in Electrical Engineering from University of South Alabama.