

Alok Raj - Technology Analyst

Contact No : 7838179772

Current Location : Hyderabad

Email id : alok.812raj@outlook.com

Role Designation and Job Level : Technology Analyst, 4

Summary

- **5.3+ years** of experience with primary focus on design, analysis, development, testing and performance tuning for various DB based applications.
- Accomplished Data Warehouse professional with adequate exposure and experience on agile and waterfall SDLC lifecycle models with an in-depth understanding of various types of data modelling techniques and stages of the SDLC ranging from requirement elicitation to development, testing, implementation and support.
- Rich experience in Application infrastructure migration, debugging and fixing mass failures along with an exceptional background in requirement elicitation, analysis, design, development, customisation, implementation and testing data analytics solutions for Retail dataset.
- Vast hands-on exposure and comprehensive understanding of application infrastructure frameworks and migration.
- Extensive hands-on experience in data extraction, cleansing, transformation, loading, storage and querying.
- Architecting design, development and testing of sustainable, scalable and maintainable data analytics solutions and applications on pre-existing and new datasets.
- Design of interactive and intuitive dashboards by using various reporting tools to provide better insights and hence, propel and enhance decision-making capabilities for business users.
- Debugging, identifying and correcting data quality issues and documenting the issues and their solutions to be forwarded to application owners, business and support teams to reduce the resolution interval for similar issues in other applications and solutions.
- Transitioning new and enhanced solutions to support teams and ensuring 24/7 availability to support them in case of data quality issues.
- Extensive hands-on experience on cutting-edge technologies like Teradata, Oracle, Vertica, Tableau and Python.

Key Domain and Technical Knowledge

- Domain : Business Intelligence
- Technical : Teradata, SQL, Oracle, Tableau, Python Autosys, Kafka, Unix, GIT.

Academic Qualification

- Bachelor of Technology in Computer Science Engineering in 2015 from Guru Gobind Singh Indraprastha University, New Delhi, India.

Certifications / Professional Awards:

- Python Training and Certification from Infosys Ltd.
- Design Thinking Certification from Infosys Ltd.
- GBI Star Award.
- GBI Excellence Award for Best key performer.
- DNA INSTA Award (Account Level)

Total Work Experience:

Company: Infosys Ltd.

Period: September 2015 to till date

Projects:

Project Title: Giveback

Job Title: Technology Analyst

Client: A leading manufacturer of a line of consumer electronics in USA.

Start date: November 01,2019 **End date:** Till date

Project Summary: Giveback is aimed to leverage insights and analytics for trade-in eligible device to store/online purchase, helping business users to monitor credit towards next purchase, vendor and Store Back of the House activities.

Role and Responsibilities:

- Technical design creation based on business requirement and reviewing the design with architect and business users.
- Designing the database layer of Business Process Re-engineering using sandbox databases.
- Creation of Teradata objects like Tables, Views and Stored Procedures and handling access to those objects.
- Performance tuning of complex and long running queries to avoid CPU skew and failures.
- Re-designing the existing semantic program and dashboard and getting the design reviewed and signed-off.
- Development of the semantic program logic in TERADATA for data manipulation.
- Automation of data processing using Shell scripts and job schedulers like Autosys and other indigenous job schedulers.
- Code optimization and performance tuning for better performance of the dashboard.
- Test suite preparation and unit, system and performance testing.
- Supporting User Acceptance testing.
- Creation of change requests and cutover in production post business sign-off.
- Validations to ensure data consistency between the primary and secondary TERADATA environments.
- Work closely with the production support and framework teams to resolve issues during or post implementation.
- Communicate Weekly Update to Delivery manager and Client Managers.
- Planning history load to perform all history files processing from partner system.
- Exception handling at every point of the design and providing user friendly messages for debugging the issue.

Project Title: Get Ready

Job Title: Technology Analyst

Client: A leading manufacturer of a line of consumer electronics in USA.

Start date: December 01,2018 **End date:** October 31,2019

Project Summary: The purpose of this project is to minimize the amount of work that privileged customers will have to do on Pre-order night by allowing them to complete as much steps as possible at Announce. Get Ready is Tableau based reporting solution which helps business users to monitor different phases of Pre-Order and Loan Status for Phones during New Product Introduction (NPI).

Role and Responsibilities:

- Requirement analysis and elicitation of requirements with business and concerned teams to ensure appropriate understanding and seal-off gaps, if any.
- Translation of requirements into technical specifications.
- Preparation of Mockup and getting the mockups signed off from the business team.
- Impact analysis of the change on the pre-existing dashboard
- Re-designing the existing semantic program and dashboard and getting the design reviewed and signed-off.
- Development of the semantic program logic for data manipulation and presentation.
- Development of presentation layer dashboard.
- Development of customized PYTHON scripts and interfaces to include acknowledgements in the data processing pipeline.
- ETL processing set-up and optimization using KAFKA streaming platform
- Creation of PYTHON scripts to cater to ad-hoc business requirements to publish and load data by triggering various TERADATA utilities like TPT, Fast-Export and Fast-Load in a template.
- Development of a unique interface to cater to sudden business requirements to manipulate the data processing in response to certain defined criticalities.
- Development of interfaces to allow business users to create and modify custom master data to be used for data processing and analysis.
- Code optimization and performance tuning for better performance of the dashboard.
- Managing and maintaining code quality and versioning using Version Control Systems like GIT.
- Test suite preparation and unit, system and performance testing.
- Supporting User Acceptance and integration testing along with the business team and the insurance partners.
- Creation of change requests and deployment in production post approval and sign-off.
- Post-production support and validations.
- Knowledge transitions to the support teams.

Project Title: Phone Trends

Job Title: Senior System Engineer

Client: A leading manufacturer of a line of consumer electronics in USA.

Start date: March 26,2017 **End date:** November 30,2018

Project Summary: Phone Trends is aimed at real-time analytics and reporting which provides holistic view of booking and billing phase for different Phones launched from NPI launch date to year end date. It provides Business with near real time data on Sales. Based on the reporting, Apple business takes a call on any prompt action to be needed to support the Sales growth.

Role and Responsibilities:

- Identify and implement reconciliation logic to address any leakage or data discrepancy in order to build robust data sets.
- Identify potential performance bottlenecks and apply efficient queries to increase the same.
- Implement error handling mechanism to avoid any data mismatches during ETL process and automated mechanism to re-process the data at real-time.
- Providing NPI support during new product launches and ensuring the smooth launch of products.
- Performance tuning of the database, SQL and ETL queries to handle huge volume of data.
- Creation of analytical reports for any specific time or location which will help client to improve the business.

- Creating visualizations with interactive views, trends and drill downs along with user level security using Tableau desktop.
- Designing dashboards with Quick filters, Parameters and sets to handle views more efficiently.
- Generating context filters and data source filters while handling huge volume of data and schedule refreshes in Tableau server.
- Unit and integration testing and Dashboard to database validations.
- Analyzing the root cause for sudden production failures and devising solutions to ensure smooth and timely load for application.
- Involved in Peer Reviews.

Project Title: iUP (Phone Upgrade program)

Job Title: Senior System Engineer

Client: A leading manufacturer of a line of consumer electronics in USA.

Start date: February 16,2016 **End date:** March 25, 2017

Project Summary: Phone Upgrade Program (iUP) is aimed at providing data analytics solutions and insights to enable Apple's business users to monitor Phones's sales across all regions and devise strategies to improve sales and revenue, Enabling Dashboard solution on YOY and Other metrics to glance the sales of Phone in Stores and Online.

Role and Responsibilities:

- Understanding of the business requirements (High level design description) and translation into technical specifications.
- Data modeling and analysis.
- Preparing ERS, Design documents of the project and presenting the same to the client managers.
- Creation of objects like Tables, Views and Stored Procedures and handling access to those objects in Teradata, Oracle and Vertica.
- Unit and integration testing and Dashboard to database validations.
- Performance tuning of complex and long running queries to avoid CPU skew and failures during critical launches.
- ETL inbound setup to induct data from Oracle to Teradata using MD UI.
- ETL replication setup to avoid dual ETL maintenance.
- Modify all the semantic, replication export and replication load processes from AutoSys scheduled to daemon scheduled.
- Rigorous unit, integration & system testing.
- Support all the ad hoc requirements of users as and when required.

Personal Information

- Gender : Male
- Marital Status : Single
- Visa Details (If any) : NA