**DEEPAK YERNENI**

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**Profile**

Over 8+ years of experience in data analytics, business intelligence, data migration, data warehousing and database design using various technologies like Teradata, PL/SQL, SQL Server, BI tools, ETL Tools, Python etc. Very enthusiastic in learning and adopting new technologies, highly motivated, team player, excellent in communication and interaction with customers and deadline-savvy with superior work ethics.

**Technical Skills**

 Databases: Teradata, Microsoft SQL Server, Oracle

 Software: Teradata SQL Assistant, Teradata Utilities, Microsoft SQL Server 2012, SSAS,

 SSRS,SSIS,Excel, Microsoft Visual Basic, Microsoft Visio, JIRA

 Languages: SQL, PL/SQL, UNIX Shell scripting, Python, R

 BI Tools: Tableau, ThoughtSpot, R Studio

 ETL tools: UNIX Crontab, KNIME, Informatica

 Big Data Tools: Hadoop, HIVE, HQL

**Professional Experience**

Verizon Communications, Irving, TX Jun 2013 - Present

**Senior Teradata Developer/BI Analyst**

* Working as a Senior Teradata Developer/Business Intelligence Analyst in the Finance BACOE team implementing the entire **project life cycle** starting with collecting the requirements to delivering the final product to the end user in an effective way on a daily basis.
* Extensive experience facilitating the creation and documentation of the **Business Requirement Document**/ Functional Specifications.
* Collaborated with **stakeholders** and subject matter experts to elicit, analyze, communicate and validate requirements for changes to business processes and policies.
* Interacted effectively with **Strategic vendors** whose products or services are essential in achieving requirements identified for the project.
* Worked closely with the Business and Tech partners and liaison as a bridge between different teams.
* Implemented the end to end **ETL process** – Data extraction, transforming based on business user needs, load logic, Work flows, Mapping and automated the process to deliver reports to the end users consistently on a daily basis.
* Worked on developing automated scripts using **Teradata Utilities** such as **BTEQ, Fastload, Multiload, FastExport** and **UNIX Shell scripts** to transfer huge amounts of data.
* Involved in writing complex SQL queries on **Teradata SQL assistant** and performed **Query Tuning** to improve the performance by optimizing high volume tables in Teradata using Join indexes, Secondary Indexes, collecting stats, using Explain plan etc.
* Used several complex Joins and Functions in Teradata to bring data from different sources and perform data analysis and communicate the business insights to the end user.
* Worked on creating star schema and snow flake schema using Erwin Data Modeler.
* Used Tableau as a front-end BI tool and Teradata as a back-end database designed and developer work-books, **dashboards**, global filter page, and complex **parameters-based calculations.**
* Worked with Business Analysts and the Business users to understand the user requirements, layout, and look and feel of the application to be developed.
* Developed reports, **data boards** using tableau for quick reviews to be presented to the Marketing Sales team and IT users.
* Created Prompts, customized calculations, **Conditions and Filters** (Global, Local) for various analytical reports and dashboards.
* Effectively used **data blending**, filters, actions, Hierarchies feature in Tableau.
* Created Rich dashboards using Tableau Dashboard and prepared **user stories** to create interactive dashboards to deliver actionable insights to the business users.
* Adopted Working on other BI tools such as **ThoughtSpot, R studio** to perform data analysis and present the findings to the business users with Visual reports whenever needed.
* Started working on technologies like **Hadoop, HIVE, Python, KNIME, R** to align with the company’s vision to move towards Artificial Intelligence and Machine learning.
* Performed data analysis on complex technical problems, resolved the data discrepancies and communicated the results in a simplified manner to the clients.
* Maintained customer SLA including higher data accuracy, reduction of incidents, deliverable completion, lower data anomalies and ad-hoc requests completion on time.
* Contributed to the successful completion of projects within the allocated budgets and on time by identifying risks and developing/recommending mitigation strategies.

Southern California Edison, La Palma, CA Mar 2012 - May 2013

**Teradata Developer/Data Analyst**

* Worked as a Data analyst/Developer on Smart connect metering system project which will enable customers to make smarter energy choices saving them both energy and money.
* Collected and analyzed **business requirements** using requirements workshops, gaps analysis, surveys, use cases, scenarios, workflow analysis to clarify business unit objective.
* Worked with business stakeholders and other SMEs to assess current capabilities understand high-level business requirements and apply technical background/ understanding in the development of SRS documents.
* Built complex **semantic layer views** and fine-tuned them for optimal performance.
* Experience in **Data Modeling** (Logical and Physical Design of Databases), Normalization and building Referential Integrity Constraints.
* Involved in addressing Batch process issues, Job scheduling, Code Debugging, Maintenance and Bug Fixes.
* Experience in monitoring MS SQL Server databases and performance tuning using **Index Tuning Wizard**, **SQL Profiler**, and **Windows Performance Monitor** for optimal Performance.
* Involved in creating batch processes using **Fastload, FastExport, BTEQ, Unix Shell and Teradata SQL** to cleanup and summarize data.
* Performed **Data analysis** and provided in depth insights to the user about the business.

Miller Coors, Milwaukee, WI Aug 2011 - Feb 2012

**Teradata Developer/Business Analyst**

* Worked as a Developer/Business analyst on a supply chain integration project where Miller and Coors legacy beer ordering systems would be migrated into one system in the Data warehouse with a tool called DRIVE.
* Worked with business users in collecting requirements, discussing business use cases and assisted them with **technical support** on the integrated supply chain tool.
* Worked with the development team to propose and develop technical solutions that cater to the **business challenges**.
* Involved in conducting meetings with the Stakeholders and acted as a bridge between the IT development team and the Business team.
* Created detail **use cases** and acceptance tests that directly align with the business requirements and technical specifications.
* Participated in **quality management reviews**, in particular reviews of designs, prototypes to ensure they fulfill the requirements.
* Involved in designing the ETL process for migrating the data from the legacy Microsoft SQL Server database to Teradata Data warehouse environment.
* Worked in configuring and creating **SSIS** solutions for **ETL** and Business Intelligence Process for Data Integration and Migration services.
* Had a very good experience in creating **SSIS** packages to manage SQL server databases and SQL server objects between instances of SQL server.
* Built **Star schema** and **Snowflake schema** depending on business requirements.
* Written **UNIX Shell scripts** and created workflows in **Informatica** for the ETL process.
* Involved in writing automated scripts using **Teradata Utilities** such as **BTEQ, Fastload, Multiload, FastExport** to load data between source and targets systems.
* Completed the project deliverables (status, Risk and Actions, Stakeholder communications) within the SLA .

**Education**

Master of Science in Computer Science (2011) Western Illinois University Macomb IL

Bachelor of Technology in Computer Science and Engineering (2009) Jawaharlal Nehru Technological University Hyderabad India