Dinesh Singh

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OBJECTIVE:

Seeking a role where Data Engineering and abilities with Analytics skills could be utilized by facing new challenges which could enhance my practical exposure and learning further that could contribute to the organization's success.

SUMMARY:

- **11+ years** of Industry experience as a software developer and worked with different phases of **SDLC** that includes design, development, testing and maintenance.
- Good at gathering business requirements and transforming them into technical specifications.
- Worked with clients in **Finance, Health, Banking** and **Retail** domain.
- Worked as a **Team Lead**, leading a team of four members and interacting with the client for requirements.
- Ability to manage (multiple) project tasks with changing priorities and tight deadlines. Ability to work well in a team. Open to Team related tasks, team meetings, team interaction and conference calls.

EDUCATION:

B Tech in Information Technology • July 2008
UIET Kanpur • India

TECHNICAL EXPERIENCE:

Data Engineer
Cisco • LTI • Mar2021-Present
Description: Project Aims at developing python-based data comparison framework for data quality with different functionalities among multiple source and target as well expose rest api's for onboarding of objects for data audit.
Responsibilities:

- Back End Python programing using python pandas and connector to Teradata Oracle and Snowflake
- Setup CI/CD pipeline for deployment of rest and python backend code
- Performance tuning by multithreading and multiprocessing python modules.
- Write Javascript stored procedures for snowflake
- Database API creation and SQL Performance Tunning
- Write SQL queries for data preparation for setup of Data Audit.
- Data load and management for Amazon Aurora.

Technologies & Tools: SQL, Python, PyCharm, Pandas, Snowflake, Amazon Aurora, Amazon Redshift, Amazon S3, Teradata, Git, Control M

Data Engineer
Pfizer Snowflake Migration• LTI • Jul2020-Mar2021
Description: This project is to migrate the Commercial Data Warehouse from Teradata to Snowflake, with a 2021 completion. This included re-pointing all ETL, currently in Informatica Power Center to an instance of Snowflake. It also includes re-connecting all business intelligence applications (BI), analytic applications and downstream consumers to Snowflake, performance enhancement for newly created snowflake procedures.
Responsibilities:

- Collaborate with Snowflake Inc. and leverage LTI's knowledge of executing similar engagements to identify any opportunities of improvements during the migration process on NFRs (non-functional requirements), data sharing, insight consumption etc.
- Convert all the existing Teradata objects, script inventory into Snowflake
- Convert all the Informatica objects to be Snowflake compatible
- Improve data correctness by implementing logic to validate inbound feed with reference data in IDQ.
- Performance tuning by multithreading and multiprocessing python modules.
- Repoint and remediate the semantic layer and reports to Snowflake to enable report refresh from converted data platform
- Test the converted database objects, Informatica objects and the repointed semantic layer and reports.
- Operate jointly with Pfizer CDW change management team to prepare CDW community for changes.

Technologies & Tools: SQL, Informatica, Snowflake, Teradata, Amazon S3, Git, Python, Pandas

Data Engineer
Cisco CX Portal• LTI • Jul2019-July2020
Description: CISCO Data and Analytics - CXP Program is working towards expanding success practices in acquired businesses across portfolio and Channels and integrate with technical support and other services capabilities to create a scalable, profitable subscription model for customer visibility. It also includes Hadoop to Snowflake Migration.
Responsibilities:

- Interaction with clients and business to gather project specific requirements
- Design and development of various CX modules and scaling them up to a common user interface platform incorporating with various business logics.
- Licensing Source side Data Model changes.
- Threading of Licensing & Telemetry data with Cisco End customer, Bookings and Sale information through Informatica & ETL Views.
- Process job creation in Control M & TES.
- Successful sprint wise implementation, tracking user stories and defects in Rally.
- Primary warranty support while initial phase after go live.

Technologies & Tools: Teradata 15, Oracle, Snowflake, Informatica, Python, Shell Scripts, Rally, GITLabs, Control M

Techno Functional Lead
Apple Machete(GDPR)• LTI• Sept2017-July2019
Description: The objective of this project is to purge the tables in all platforms and environments and delete the data that has been deemed unnecessary by the EU guidelines.
Responsibilities:
- Involvement in design phase including preparation of HLD (High level document) and LLD.
- Design and development of Machete Python Validation module for Teradata table validation with Central repository in Python & Teradata
- Design and development of Machete prioritization module for execution schedule of relevant table on right time in Python, Oracle & Teradata.
- Design and development of Machete Executor for chopping data of prioritize tables, being developed in Oracle, Python & Teradata.
- Eventing integration with back-update signals to Oracle from Teradata.
- Successful implementation & sprint wise one-time execution for application tables
- Primary support while initial phase after project go live

Technologies & Tools: Teradata, Informatica, Python, Pandas, PyCharm, SQL, Oracle 12 g , Unix, git.

Database/ETL Tech Lead
Chevron • Sapient • Mar2016-Sept2017
Description: Chevron Supply and Trading (S&T) buys, sells and supplies crude oil, refined products, natural gas and gas liquids for Chevron's crude oil and natural gas production operations as well as the company's refining and marketing network. The organization provides a critical link between the market and Chevron's upstream, downstream and chemicals companies walkthrough of existing code.
Responsibilities:
- Team management & day-to-day Coordination with Client.
- OO Analysis, Documentation, and development.
- Involved in setup & Configuration of Build Environment.
- Developing ETL jobs, SQL procedures, BTEQ Scripts using Teradata and Sybase.
- Production support and maintenance of the application.
Technologies & Tools: Teradata, SQL, Oracle, SQL Server, SSIS, Unix

Database/ETL Tech Lead
AMEX • Cognizant Technologies • Oct2014-Mar2016
Description: The Fraud analytics team prepare various approaches and models to prevent and identify frauds on AMEX cards. As a part of technology team, we implement these strategies using various technologies like Teradata

Responsibilities:
- Involved in all reporting development from Business Analysis to Development, Testing, Deployment and Documentation.
- Gathered system design requirements, design and write system specifications.
- Develop the application using proper coding standards and following the Iterative Development Methodology. Developing ETL jobs, SQL procedures, BTEQ Scripts using Teradata and Sybase.
- Worked on POC's for variety of project integrating reporting with Teradata ecosystem.
- Implementing developed solution in live system, tracking and fixing defects.
- Teradata SQL Performance tuning
Technologies & Tools: Teradata, Hadoop, SQL, Informatica, Hive, git, Unix

Database/ETL Developer
Apple Inc. •Exilant Tech. • DEC2009-OCT2014

Description: The goal of this project is to measuring performance of Apple Care Call Center Agents/Advisors through the different set of performance index, based on Business requirement.

Responsibilities:

• Involved in the detail analysis, created the design and documented all the business needs, technical aspects, database design and got it reviewed from Business with the help of On-site counterpart.

• Completely involved in coding like creating ETL components, developed Informatica interfaces to load the data from EDW to external system RINS.

• Prepared test cases to use in all levels of testing like Unit testing, System Integration testing (SIT), User Acceptance testing (UAT) and production implementation.

• Extensively worked in Teradata and Unix and developed various scripts.

• This project had many threads, and I was lucky enough to have worked in all of them hence had the knowledge of each code used in Project. This helped me in providing useful suggestions to the team.

Technologies & Tools: Oracle, Teradata, DOMO(Corda), SQL, Unix, Informatica, git

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