**Sukumar Reddy Danda**

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**Data Engineer**

**Snapshot:** Qualified IT professional with 13+ years of experience in Business Intelligence, ETL Solution and Data Warehousing across diverse organizations in the domains of Insurance, Telecom & Banking, exploring challenging technical assignments with a professionally managed organization. **Core competencies include…. Data Warehousing Applications & Data Modelling, DataStage, Informatica Power Center, Informatica Data Quality, Snowflake, Oracle database with PL/SQL & SQL, Erwin, Kafka, Python, Project Management, Quality Assurance, Risk/ Change Management, Integration & Migration, Reporting & Documentation, Cross Functional Team Coordination.**

**Executive Summary**

* Involved in various projects related to data modeling, design and development for both OLTP and Data warehousing environments.
* Data modeling by using Erwin for new mirroring & OLTP assets and create ETL prototypes with reusable validations.
* Strong experience on cloud migration.
* Developed S2T mapping spread sheet for ETL team with physical naming standards, data types, volumetric, domain definitions and corporate meta data definitions.
* Significant exposure in designing/ developing ETL solutions using DataStage, Informatica Power Center tool, Informatica Data Quality, Informatica Intelligent Cloud services (IICS), Snowflake, Kafka, UNIX and PL/SQL
* Well versed in DataStage and Informatica Power Center 10.5, 9.x and 8.6, Oracle 10g, SQL, UNIX scripts and PL/SQL
* Proficient in defining technical requirements/ high level design, configuration management, process audits, agile estimation techniques, agile concepts of project management
* Industry expert having keen understanding and hands-on exposure to all phases of Project / Program Life Cycle
* Efficient Team Leader & Player, combining communication, interpersonal & problem-solving skills with analytical, decision making and leadership capabilities to enhance organizational objectives.
* Strong experience in migrating other databases to Snowflake.
* Work with domain experts, engineers, and other data scientists to develop, implement, and improve upon existing systems.
* Experience in analyzing data using HiveSQL
* Participate in design meetings for creation of the Data Model and provide guidance on best data architecture practices
* Experience with Snowflake Multi - Cluster Warehouses.
* Experience in Splunk reporting system.
* Experience with Snowflake cloud data warehouse and AWS S3 bucket for integrating data from multiple source system which include loading nested JSON formatted data into snowflake table.
* Experience working with IICS transformations like Expression, joiner, union, lookup, sorter, filter, normalizer and various concepts like macro fields to templatize column logic, smart match fields, renaming bulk fields and more.
* Professional knowledge of AWS Redshift.
* Experience in building Snowpipe and using Snowflake Clone and Time Travel.
* ETL pipelines in and out of data warehouse using combination of Python and Snowflakes SnowSQL Writing SQL queries against Snowflake.

**IT Forte**

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| ETL Tools | DataStage 11.5/11.7,Informatica Power center 10.4.0, 9.X and 8.X, IDQ , Data Build Tool(DBT) ,Azure Data bricks and Azure Data Factory And Azure Synapse Studio |
| Reporting Tools | Cognos, OBIEE (Trained) |
| SchedulingTools | Control-M, Talon , Autosys, Zena and ESP |
| Operating Systems | Windows , UNIX and Linux |
| Databases | Snowflake, Oracle 10g/11g, SQL Server 2012, Netezza, DB2 and Teradata |
| Cloud Services | AWS S3, Snowflake, Azure, Snow SQL, Snow pipe, clone, Time Travel, Python,Ginger,yml, PySpark , JSON , Git and Kafka |
| Data Modeling | Erwin, Snowflake-schema modeling, Fact and dimension tables, Star-Schema modeling |
| Other Tools | SNOW, Toad, PL/SQL Developer, SQL Developer, Db2 IBM Data studio, Squirrel, Harvest, Jira, HPQC, Gitlab, SAFE and Agile |
| Domain Knowledge | Insurance, BFS and Telecom. |

**Professional Experience**

**Employer 1 :** Wipro

**Period** : Nov 2021 - till date

**Role** : Technical Lead

**Responsibilities:**

* As Technical Lead reviews with onsite and offshore team throughout the project and guide the team with technical direction and solutions.
* Supports production deployment and provide immediate fix if any exceptions arise.
* Drive initiatives to build or improve process or quality initiatives and support critical requests to closure during US Business hours.
* Guiding the team on self-organizing to fill in the intentional gaps left in the Agile/Scrum frameworks
* Assessing the Scrum Maturity of the team and organization and coaching the team to higher levels of maturity, at a pace that is sustainable and comfortable for the team and organization
* Removing impediments or guiding the team to remove impediments by finding the right personnel to remove the impediment.
* Meeting with Business users to gather the business requirements, discussing on the pending requirements and setting up the priorities for the requirements.
* Data modeling by using Erwin for new assets and create ETL prototypes with reusable validations.
* Created ETL pipelines in and out of data warehouse with combination of Python, AWS, Kafka, DataStage, DBT, Snowflakes , Git CICD and Control-M.
* Support and educating the Product Owner, especially with respect to grooming and maintaining the product backlog.
* Schedule code review meeting with client team and document if they found any issues in standards.
* Doing code development, testing for new assert and make them ready for production deployments.
* Responsible for data move from on-prem sources to the cloud for the organization using Erwin, DataStage, Snowflake, Kafka, Oracle, DB2, NETEZZA, MS SQL Server, UNIX Shell Scripting, Python Scripting, scheduling tool Control-M and Agile tools JIRA.
* Build reusable Type-I/II , update and One to one Data stage jobs to load data from on-prem source to Snowflake by using copy options.
* Create and deploy Git Branches for Snowflake tables/view creation and code promotion for all test and higher environments by following Change requests .
* Replicate existing Control-M folders for new Snowflake data loads and schedule.
* Once data moved to Snowflake, responsible for build Data Warehouse ELT designs for the organization using DBT macros, modules and .yml for easy code promotion by using Gitlab.
* Use to give technical demo to team on DataStage, Snowflake, Python, DBT and Talon batch scripting.
* Review team DataStage, Snowflake, Python and DBT code along with test case and make use to avoid defects.
* Create wiki pages for each assert on each LOB with all information which will support for future developments/enhancements and production support.
* Build reusable python framework to transfer file on-premise to cloud along with standard validation with combination python and Unix sell scripting.
* Created reusable jobs for type-I, type-II and Insert with source to target standard validation by using DataStage , Python and Unix scripting .
* Created Pyspark validation framework ,will run any validation with few parameters.
* Implemented reusable code to do integration testing by using DataStage and Python.

**Environment**: DataStage11.5/11.7, Informatica Power Center 9.6,Snowflake, DBT (Data Build Tool), Python, Ginger, Talon, PySpark ,AWS S3, Kafka, Oracle,DB2,Netezza,SQL Server, Qtest, Control-M, Gitlab, Erwin Unix Shell scripting and UCD deployment.

**Customers:**

* **United Services Automobile Association (USAA), USA** : Nov 2021 - till date.

**Employer 2** : Cognizant

**Period** : Feb 2014 - Nov 2021.

**Role** : Senior Associate.

**Responsibilities:**

* Adept developing and maintaining detailed procedural processes that reduce redundancy, improve accuracy and efficiency to achieve organizational objectives.
* Coded complex Informatica mappings, Unix Scripts and PL/SQL programs like SCD1,SCD2,SCD3,XMAPS,XML's,Web services, SOAP calls, packages, procedures, created tables, views, constraints functions, anonymous blocks, involved in data modeling activities, modified existing data structures as per the project requirement.
* Responsible for analyzing the code modules across project repositories in the platform and come up with Story Point level estimate to deliver the feature.
* Design and develop data cleansing, data Validation, load data into database using INFORMATICA POWER CENTER 8.X/9.X/10.X & INFORMATICA IDQ, Oracle SQL & PL/SQL, DB2, MS¬SQL Server, UNIX, Azure Data Lake & Data bricks, GitLab CI/CD, Autosys, Zena, ESP and HP¬quality center.
* Responsible for participating in business requirements and functional requirements gathering prior to the Agile Program Increment Planning.
* Reviewing Batch systems configurations and operating methods as well as understanding evolving business needs. Converting the requirements into Technical Specifications or Product Feature or User story.
* Perform ETL design reviews with business analysts and preparing low-level design documentation for Development. Prepare unit test cases and unit test all the developed Informatica components.
* Support system integration testing user acceptance testing with constructed deliverables to make product defect free and high quality.
* Responsible for carrying out solution designing, obtaining efforts, managing suppliers/build through development, testing prerelease, implementation and post release management. He was also responsible for preparing peer reviews on ETL specification, design and code.
* Responsible for testing the routines developed and work with quality assurance and operations to ensure smooth QA, defect free deployment of applications and data validation/verifications in production. Monitoring performance of Informatica, SQL and schedule jobs to ensure desired performance achievement and better productivity.
* Responsible for onshore and offshore coordination for the on time deliverables and Contribute to Sprint and program retrospective meetings with ETL team members on what went well, what did not go well and what is the scope for improvement.

**Environment**: Informatica Power Center, Informatica Big Data Developer, DB2,SAS-DB2, SQL Server, Zena, QC, SOAP, Oracle, Mainframe, Autosys, QC, Toad, Azure Data Bricks, Azure Data Factory, Azure Synapse Studio, Azure SQL DB, DB2, Python, Informatica IDQ 9.1&9.6,SAS-DB2 and IB.

**Customers:**

* **Country Financial Inc**. USA : Mar 2021 - Nov 2021.
* **CON** USA : Jul 2015 - Mar 2021
* **BB&T** USA : Feb 2014 - Jun 2015

**Employer 3 :** Tata Consultancy Services

**Period** : Sep 2019 - Mar 2021.

**Role** : Software Consulting.

**Responsibilities:**

* Designing and developing applications using Informatica PowerCenter, Informatica Data Quality, Informatica Intelligent Cloud Services (IICS), Oracle SQL, PL/SQL, Microsoft SQL Server, Teradata, and Snowflake Cloud Data Platform, to meet to meet functional needs for software applications;
* Utilizing process and data flow diagrams to convert business requirements into development models;
* Developing and launching automation solutions, using Amazon Web Services (AWS) Lambda, Simple Storage Service (S3), Elastic Compute Cloud (EC2), CloudWatch, and CloudTrail;
* Delivering and deploying custom developed applications for clients, including prototyping, code development, modularization, unit testing, configuration and defect management, and production deployment, utilizing Microsoft (MS) Azure DevOps, Azure DevOps Server, GitHub, IBM UrbanCode Deploy, Jenkins, AWS CodeDeploy, Relational Database Service (RDS), and CloudWatch;
* Designing and maintaining coding standards to enhance application development, using Extract Transform Load (ETL) Code Review Checklist;
* Performing aspects of the Software Development Life Cycle (SDLC), including requirements gathering, application configuration design, business process analysis, scripting, code deployments, enhancement validation, triage of defects and change requests, and escalations and urgent issues utilizing ServiceNow, Jira, Rally, Azure DevOps Server, and Agile and Scrum methodologies;
* Performing data cleansing and conversions, interface design/development, and systems development life cycle, utilizing Informatica PowerCenter, IICS, Informatica Data Quality, IBM InfoSphere DataStage (IBMDATASTG), and Oracle Data Integrator (ODI); and,
* Creating technical and functional specifications, including screen layouts, navigation flows, logic diagrams, data models, process models, and pseudo code, utilizing MS Office Suite, MS Visio, Jira, Azure DevOps Server, and erwin Data Modeler;
* Performing assessments of existing information systems and identifying gaps between business requirements and current system capabilities, using Object-oriented analysis and design (OOAD);
* Creating web applications using Python;
* Creating Key Performance Indicators (KPIs), visualizations of data trends, and data models by utilizing erwin Data Modeler, Tableau, and SAP BusinessObjects (BO) in order to support business and functional requirements within the Government & Public Services, Insurance, Retail, or Healthcare industries;
* Creating technical design and unit test case documents to track test cases and issues, utilizing Microsoft (MS) Office Suite, ServiceNow, Jira, Rally, and Azure DevOps Server.
* Architecting, implementing, and supporting AWS Cloud, Windows, and Linux infrastructure and topologies.

**Environment**: Informatica Power Center 9.1.0,Informatica Data Quality, Informatica Intelligent Cloud Services (IICS),Microsoft SQL Server, Oracle 11g, SQL Developer, Snow, HP QC , UNIX, BPA, Erwin, Data Stage, Jenkins, MS Visio, Jira and Python.

**Customers**:

* **Nokia**, Finland : Apr 2013 - Feb 2014
* **GE Capital Real Estate**, USA : Nov 2010 - Mar 2013

**Education:**

MCA (Masters of Computer Applications) with Distinction from Osmania University, India.

**Professional Development**

**Six Sigma :** Certified in Lean Six Sigma - Green Belt WBT

**Azure** : AZ-900: Microsoft Azure Fundamentals

**Azure** : DP-203: Data Engineering on Microsoft Azure