



SURENDHAR G

My Contact

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📍 Avadi, Chennai

Education Background

- B.Sc Computer Science (75%)
DRBCCC Hindu College
Completed in 2023
- Higher Secondary (54%)
RCM Matric Higher Secondary School
Completed in 2020
- Senior Secondary (78%)
RCM Matric Higher Secondary School
Completed in 2018

SKILLS

Data Integration

- ETL Tools (Informatica), Talent
- Data Bricks
- Power Bi
- SQL Programming
- Data Warehouse
- Data Quality Assurance
- CDGC (Cloud Data Governance and Catalog)
- Microsoft Fabric
- Docker

Dedicated and results-driven Data Integration Developer with 10 months of experience in designing, developing, and implementing data integration solutions. Proficient in utilizing various ETL tools and technologies to ensure seamless data flow across different systems. Adept at analyzing business requirements and translating them into efficient data integration processes. Committed to delivering high-quality solutions that drive organizational success.

Professional Experience

INTERNSHIP (DATA ENGINEER)

Numentica LLC Aug 2023 - Oct 2023

Key responsibilities:

- Learn to use ETL (Extract, Transform, Load) tools and techniques to gather and ingest data into the data pipeline.
- Participate in data cleaning processes to identify and rectify inconsistencies, errors, and missing values in the dataset.
- Collaborate with senior data engineers to understand data modeling concepts and techniques.
- Participate in data quality assessment activities to ensure data accuracy, completeness, and consistency.
- Document the data engineering processes, workflows, and best practices.

SUPPORT IDQ DEVELOPER

Shure Manged Service - Numentica LLC

Oct 2023 - Jan 2024

Key responsibilities:

- Provided timely resolution to issues reported by users related to Informatica Data Quality (IDQ) workflows, mappings, and transformations.
- Conducted thorough root cause analysis to identify the underlying reasons for data quality issues and implemented corrective actions.
- Conducted data profiling and analysis using IDQ to assess the quality, completeness, and accuracy of source data.
- Collaborated with business stakeholders to define data quality rules and standards based on data profiling results and business requirements.

DATA INTEGRATION DEVELOPER

HDFC Bank – Numentica LLC

Jan 2024 – Sep 2024



Key responsibilities:

- Designed, developed, and implemented ETL processes to extract data from various source systems, transform it according to business requirements, and load it into the target data warehouse or data lake.
- Utilized ETL tools such as Informatica to automate data integration workflows and ensure efficient data movement.
- Conducted data mapping exercises to identify source-to-target mappings and transformations necessary to meet business logic and data quality requirements.
- Implemented data transformations using SQL queries, scripting languages, or built-in functions within ETL tools to standardize, cleanse, and enrich incoming data.
- Implemented data quality checks and validation rules within ETL processes to ensure the accuracy, completeness, validity and consistency of data.
- Optimized data integration processes for performance and scalability by tuning database queries, optimizing ETL job configurations, and leveraging parallel processing techniques.
- Conducted performance testing and benchmarking to identify and address performance bottlenecks and ensure efficient data processing.
- Ensured compliance with data governance policies and regulations by implementing data security, privacy, and access controls within data integration workflows.
- Implemented error handling mechanisms within ETL processes to capture, log, and manage data integration errors and exceptions.
- Monitored data integration jobs using monitoring tools or custom scripts, and proactively addressed issues to minimize data processing failures and downtime.
- Documented technical specifications, data integration workflows, and best practices to facilitate knowledge sharing and onboarding of new team members.
- Created and maintained data integration documentation, including data dictionaries, data flow diagrams, and ETL process documentation.
- Collaborated with cross-functional teams, including data architects, business analysts, and end-users, to gather requirements, design data integration solutions, and validate deliverables.

DATA ENGINEER

Jozuna The Assessment – Numentica Data Service, Jozuna Technologies

Sep 2024 – Present



Key responsibilities:

- As a Data Engineer, I was deeply involved in research and development of various open-source tools, focusing on key areas such as databases, data warehouses, data quality, and data governance. warehouse or data lake

- My role required a thorough evaluation of existing tools and technologies to identify the best-fit solutions for optimizing data infrastructure. I explored different
- open-source databases like PostgreSQL, MySQL, comparing their performance, scalability, and reliability for different business needs. In the area of data
- warehousing, I researched tools such as Apache Hive, Amazon Redshift (open-source integrations), and Snowflake (with open-source connectors), focusing on efficient data storage, querying, and ETL processes. For data quality, I
- experimented with open-source tools like Data cleaner, implementing automated data validation frameworks to ensure data consistency, accuracy, and reliability. Additionally, I explored data governance frameworks using tools like Apache Atlas
- ,Amundsen and openmetadata to enhance metadata management, lineage tracking, and policy enforcement across data pipelines. Beyond R&D, I applied these tools to real-world scenarios, building and optimizing data pipelines that
- addressed various business challenges. For instance, I developed use cases involving real-time data ingestion, transformation, and analysis, leveraging tools like Apache Kafka and Airflow for workflow orchestration. I also worked on improving data quality in live systems by setting up automated anomaly detection and validation processes, ensuring data integrity at every stage.
- Furthermore, I implemented governance frameworks that provided transparency and compliance with regulatory standards, crucial for industries like finance and healthcare. My work contributed to streamlining data workflows, reducing operational costs, and enabling data-driven decision-making across the organization.
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DECLARATION

I hereby state that all the details furnished in this resume are completely true to the best of my knowledge.

PLACE : Chennai

DATE :

SIGNATURE

(Surendhar Govindharaj)