Satish Kumar Reddy Kalli

West Haven, CT 06516

📞 +1 203-507-9481 ✉ kallisatish1998@gmail.com | LinkedIn | Github

SUMMARY

Data-driven professional with 4+ years of experience in data analysis, data management, and data governance. Proficient in SQL, Python,Java, Snowflake, Teradata, Databricks, and BI tools like Tableau and Power BI. Strong expertise in data quality frameworks, metadata management, and customer data analysis. Adept at collaborating with IT teams, business stakeholders, and governance committees to develop structured and actionable datasets. Passionate about improving data quality, governance, and driving customer-centric data strategies.

TECHNICAL SKILLS

- **Programming Languages**: Python, SQL, PySpark,Scala
- **Cloud Platforms**: Amazon RedShift, Snowflake,
- **Big Data Technologies**: Spark, Databricks, SSIS, SSRS, Informatica, Teradata
- **Databases**: Snowflake, PostgreSQL, MongoDB, SQL Server
- **CI/CD & Automation**: Jenkins, GitHub, Terraform, Docker, Kubernetes
- **Data Quality & Governance**: Data Quality, Access Controls, Informatica Axon, Informatica EDC
- **Data Visualization**: Tableau, Power BI, Excel
- **Data Engineering Skills**: Data Engineering, Data Modeling, ETL Design
- **Automation** : GitHub Actions, JMeter, SonarQube

PROFESSIONAL EXPERIENCE

People Tech Group | *Data Engineer*   **Aug 2023 - Dec 2023**
- Developed data pipelines using SQL, Python, and Databricks for seamless data integration and processing.
- Developed financial data transformation processes improving query performance by 30% for risk and investment analytics.
- Created interactive dashboards and reports in Power BI/Tableau for business teams to drive customer-first solutions.
- Worked with Data Stewards to maintain metadata, best practices, and ownership in data governance tools.
- Conducted training sessions on data assets, governance practices, and data utilization

The Smart Cube | *Senior Data Engineer*   **Dec 2022 - Aug 2023**
- Designed and implemented SQL-based ETL processes, integrating data from multiple sources into a structured data warehouse.
- Implemented **data integrity practices in ETL workflows**, including automated **data validation** checks, improving **data quality** and reducing errors by **30**%.
- Collaborated with IT, product teams, and governance committees to create and maintain data collection standards.
- Developed architectural plans for future **data storage**, **reporting solutions**, and analytical tools.
- Worked with customer data platforms (CDP) and MDM solutions for identity resolution and deduplication
- Engineered a data pipeline that transformed **unstructured Financial PDF** data into **NoSQL MongoDB**, making data accessible on the UI for the web application.

Cognizant Technology Solutions | *Associate*   **Nov 2019 - Dec 2022**
- Developed data pipelines and analytics solutions in Databricks and GCP, improving data lineage and auditability.
- Designed and optimized **data schema management** for efficient querying and **analytics**, reinforcing **data lineage** and **auditability**.
- Performed data transformations using **PySpark** and **SQL**, improving efficiency for analytics teams.
- Migrated on-prem Hadoop financial data to Google Cloud Storage, BigQuery, and Dataflow, improving query performance and risk analysis capabilities by 25%.
- Automated data pipeline **monitoring** and **failure** detection, reducing **downtime** and enhancing **reliability**.
- Designed and managed **data access policies** and conducted periodic audits to ensure compliance.
- Designed regulatory reporting pipelines, ensuring compliance with financial industry data governance standards.
- Developed Data Ingestion Framework with Json Config file as parameters which will pass to the web application and where it will ingest the data from source to target.
- Worked on converting scripts from On premise talend jobs to pyspark jobs.
- Worked on BI Converter tool where we have to convert BI reports from On prem tools like cognos to PowerBI and we automated this process by reducing manual effort by 75 %.
- Worked on BI Harmony Tool where it will eliminate the redudnacy reports in the BI environments where lot of redudnacy reports scattered across different sectors which reduced the 80% manual effort.
- Worked on Data ingestion framework where the ingestion of data happens by utilizing the json config which is configured from the user interface and by selecting different source and target cloud data warehouses or lakes which are customizable.
- Supported the tool converter and Script Migrator tools back end code for the times it needed and understand it's functionality where it will migrate the scripts from oracle sql to snowflake or any other cloud data ware house and similarly in case of tool converter where it will convert informatica or any other on premise to cloud ETL tools or pyspark or Scala code which will reduce migration effort to 80%.

EDUCATION

University of New Haven   **Jan 2024 - May 2025**
Master of Science, Business Analytics (GPA: 3.73)

Jawaharlal Nehru University   **Aug 2015 - May 2019**
Bachelor of Technology, Electronics & Communication Engineering (GPA: 3.62)

KEY ACHIEVEMENTS

- **Migration of Legacy Systems** | Cloud Migration: Led financial data migration to GCP, ensuring compliance and zero data loss.
- **Cognizant Cheers Award** | Achieved **Cognizant Cheers** Award (All-rounder) for handling multiple projects at the same time.
- **Data Pipeline Optimizations** | Led data pipeline optimizations, improving query performance by 25%.
- **Process Automation**: Automated CI/CD pipelines and ETL workflows, improving efficiency by 40%.
- **Dynamic Reporting Solutions** | Delivered dynamic reporting solutions via Tableau and Power BI, increasing stakeholder engagement.
- **Enterprise-level Cloud Migration Strategies** | Recognized for driving enterprise-level cloud migration strategies and implementing cutting-edge analytics solutions, resulting in a 50% improvement in operational scalability and decision-making efficiency.