Satish Kumar Reddy Kalli

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SUMMARY

Aspiring Data Engineer with 4 years of experience in designing scalable ETL pipelines, data modeling, and data warehousing, and expertise in **Azure technologies**. Skilled in **Python, SQL, PySpark**, and **big data tools** to build and optimize data pipelines. Experienced in improving processing efficiency, ensuring **data integrity**, and enhancing **data quality**. Familiar with **Azure Data Factory, Synapse, Databricks, and Azure Functions** for cloud-based data engineering solutions. Strong analytical skills, problem-solving mindset, and ability to document business processes effectively. Passionate about collaborating with cross-functional teams to deliver impactful, **data-driven solutions**. Excited to contribute to **finance transformation projects** and hands-on experience in **Azure cloud environments**.

TECHNICAL SKILLS

- **Programming Languages**: Python, SQL, PySpark
- **Cloud Platforms**: Azure Data Lake Storage, Azure Functions, Azure DataBricks, Azure Synapse, Azure Data Factory
- **Big Data Technologies**: Spark, Databricks
- **Databases**: Snowflake, PostgreSQL, MongoDB
- **CI/CD & Automation**: Jenkins, GitHub, Docker, Kubernetes, GitHub Actions, Terraform
- **Data Governance**: Data Quality, Access Controls
- **Data Visualization**: Tableau, Power BI
- **Data Engineering Skills**: Data Engineering, Data Modeling, ETL Design
- **Big Data & ETL Technologies**: SparkSQL, DDL

PROFESSIONAL EXPERIENCE

People Tech Group | *Data Engineer*   **Aug 2023 - Dec 2023**
- Designed and implemented **ETL pipelines** using **Azure Data Factory** and **Azure Functions** to process and load **financial transactional data** from **Azure SQL Database** to **Azure Synapse Analytics**, reducing data processing time by **40%** and ensuring **99.9% data consistency**.
- Developed data transformations in **Azure Databricks** improved financial query performance by **30%**, enabling finance teams to generate **budget forecasts and expense reports** faster.
- Built Power BI dashboards for Financial Reporting and Data Governance, increasing reporting efficiency by **50%**, ensuring compliance with **internal financial policies**, and providing visibility into **millions of financial records**.

The Smart Cube | *Senior Data Engineer*   **Dec 2022 - Aug 2023**
- Built and managed **data pipelines** using **Azure Databricks, Synapse Analytics, Data Factory, and Azure Data Lake Storage**, reducing **data processing time** by **40%** through efficient schema design and query optimization.
- Implemented data integrity **practices** in **ETL workflows**, including automated **data validation checks in Azure Data Factory**, improving **data quality** and reducing errors by **30%**.
- Optimized SQL query performance for **large-scale datasets**, enhancing reporting efficiency and analytics capabilities.
- Developed **architectural plans** for future **data storage, reporting solutions, and analytical tools** leveraging **Azure Synapse** and **Power BI**.

Cognizant Technology Solutions | *Associate*   **Nov 2019 - Dec 2022**
- Developed and maintained **scalable data solutions** in **Azure Databricks and Synapse Analytics**, optimizing **data processing and reporting**.
- Designed and optimized **data schema management** for efficient querying and **analytics**, reinforcing **data lineage** and **auditability**.
- Performed data transformations using **PySpark and SQL** in **Azure Databricks**, improving **efficiency for finance analytics teams**.
- Conducted root cause analysis on **data pipeline** failures and optimized processing speed.
- Collaborated with **the Finance Team to integrate** financial transactions, budget allocations, and expense tracking **from multiple sources using Azure Logic Apps and APIs,** streamlining financial data **reconciliation and** reducing manual reporting **time by 60%.**
- Developed PySpark-based ETL **processes** to migrate **on-prem Hadoop financial data to Azure Data Lake, Databricks, and Synapse Analytics**, enabling scalable cloud-based analytics.

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** | Successfully led the migration of legacy systems to AWS and ensuring data integrity and minimal downtime.
- **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%.
- **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.