Ajay Jayaraj

+91-8220937538 | ajaysri2016@gmail.com | [LinkedIn](#) | [Github](#)

EDUCATION

Bachelor of Technology | SASTRA UNIVERSITY   **Jun 2018 - Apr 2022**

SKILLS

Data Engineering: Azure Databricks, Azure Data Factory, Azure Data Lake Storage, Azure Blob Storage, Azure Functions, Azure Logic apps, Snowflake, Python, SQL, Apache Spark(Spark SQL, Pyspark)
Data Analysis: Root Cause Analysis, Data Warehousing, Data Modelling.
AI/ML Tools: Retrieved Augmented Generation, Prompt engineering.
Version Control: Git

EXPERIENCE

ZS Associates   **SEP 2022 - PRESENT**
Data Engineer

- Developed and managed **automated data workflows** with Azure Databricks, enabling **validated data ingestion pipelines** from multiple [15+] sources to production environments ensuring scalable, secure data delivery via Azure Data Factory.
- Established and **enforced data governance and security** in Azure Databricks achieving 100% compliance with regulatory standards for PHI/HIPAA data.
- Architected automated data pipelines using Azure Data Factory to **ingest and transform** provider solutions and Pharma data, optimizing Snowflake for seamless processing.
- Programmed **complex and efficient SQL queries** to power dashboards tracking $500M contracts, purchasing behaviors, and rebate metrics, **enhancing transparency and operational efficiency**.
- Created an **End-to-End Data & Platform Architecture** using Azure cloud and snowflake for data ingestion and data processing for a critical time constraint project.
- Recognized for **developing scalable and reusable frameworks** that address recurring challenges in data engineering projects cutting down 40% of project turnaround time.
- Boosted team productivity and innovation by training over 50 employees on **cutting-edge AI trends** and practical applications, resulting in a 65% improvement in efficiency when **solving day-to-day data and technology challenges**.

PROJECTS

InspiroGene Product - Data & Platform Engineering

- **Architected and optimized** the core data pipeline and platform infrastructure powering the InspiroGene product's [**Cell and Gene Therapies**] analytics dashboard, resulting in a 20% improvement in report generation speed and enabling near real-time insights for key stakeholders
- **Spearheaded data and platform engineering** for InspiroGene, architecting data pipelines and infrastructure for near real-time analytics. Drove performance improvements, ensured scalability, and collaborated across teams for seamless product integration performance for more than 5 service lines.

Financial Planning and Analysis - Data and Gen AI Engineering

- Designed and implemented the data infrastructure underpinning 4+ FP&A Data Projects, enabling accurate and timely reporting of critical **financial metrics**. Leveraged **SCDs** and time-based aggregations to provide comprehensive historical analysis and support **strategic decision-making for multiple projects**.
- Engineered a robust document chunking solution utilizing LLMs and Vector Databases, enabling a streamlined search and retrieval process for rebate details from GPO contracts; improved query response efficiency by 40%.

CERTIFICATIONS

- Microsoft Certified Azure Data Engineer Associate - DP-203
- Databricks Accredited Azure Platform Architect
- Gen AI and LLM on Databricks

AWARDS and ACHIEVEMENTS

- Lauded within cross-functional teams at ZS as the **'Flawless Finishers'** after implementing refined protocols which increased accuracy on deliverables up to 99%, reflecting superior discipline and focus on achieving industry-leading results throughout all phases of development.