Vamsi krishna N

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SUMMARY

❖ Results-driven **Azure Data Engineer** with **3.7 years of professional experience** in designing, developing, and optimizing **cloud-based data pipelines and modern data platforms**.

❖ Proficient in **Azure Data Factory (ADF), Azure Databricks (ADB), Azure Synapse Analytics, Azure Data Lake Storage Gen2 (ADLS Gen2), Azure SQL Database, and Power BI Integration, with strong expertise in ETL/ELT processes, Data Modeling, and Performance Optimization.**

❖ Skilled in implementing **Medallion Architecture (Bronze-Silver-Gold), Delta Lake, Delta Tables, Incremental Loading, CDC (Change Data Capture), Streaming Data Processing, Batch Processing**, and **Schema Evolution**.

❖ Experienced in **end-to-end migration of on-premises data ecosystems to Azure Cloud**, integrating **Blob Storage, Event Hubs, and Stream Analytics** for scalable solutions.

❖ Strong collaboration skills working with **business stakeholders, BI teams, and DevOps engineers** to deliver business-ready insights.

❖ Adept in **Data Governance, Data Quality, RBAC, Managed Identity, Monitoring & Logging (Azure Monitor, Log Analytics),** and **Cost Optimization** practices.

❖ Strong collaboration skills with business stakeholders, BI teams, and DevOps engineers, leveraging **Azure DevOps, GitHub Actions, Terraform/ARM Templates, and CI/CD Pipelines** for automated deployments.

Core Competencies: Azure Data Factory (ADF), Azure Databricks, PySpark, Azure Synapse Analytics, Azure SQL Database, Data Lake Gen2, ETL/ELT, Data Modeling, Power BI, SQL, Python, Snowflake, Git, Azure DevOps.

TECHNICAL SKILLS

● **Cloud Platforms:** Azure Data Factory, Azure Databricks, Azure Synapse Analytics, Azure SQL, Azure Data Lake Storage Gen2, Azure Active Directory.

● **Programming:** Python (Pandas, PySpark), SQL, DAX.

● **Data Engineering:** ETL/ELT Pipelines, Data Modeling (Star Schema, Snowflake Schema), Incremental Loads, CDC, Delta Lake.

● **Databases:** MS SQL Server, Azure SQL, Snowflake

● **Data Warehousing:** Dimensional Modeling, Fact & Dimension Tables.

● **Version Control & DevOps:** Git, Azure DevOps, Key Vault Integration.

● **BI & Visualization:** Power BI (Desktop & Service), KPI Dashboards, Reports, RLS

● **Others:** SSIS, Performance Tuning, Row-Level Security.

PROFESSIONAL EXPERIENCE

➢ Worked as an Azure Data Engineer at **LTI Mindtree Limited** from Dec 2021 to Nov 2023**.**

➢ Worked as a Data Engineer at **Hexaware Technologies** from Dec 2023 to the Sep 2025.

PROJECTS

Project#1

Project	**: Deckers Brands – Global Data Integration & Reporting.**
Environment	**: ADF, Databricks, Synapse, Azure SQL, Power BI, Git, ADLS Gen2**
	: Azure Event hubs.
Role	**: Azure Data Engineer**
Duration	**: Dec 2023 – Sep 2025**

Description:

Deckers Brands (UGG, Teva, Hoka One) required a **unified data integration and reporting platform** to consolidate retail, ERP, and e-commerce data across regions. The goal was to provide **real-time insights into sales, inventory, and supply chain** while ensuring scalability for global operations. The project modernized Deckers' analytics landscape by building a **centralized data hub in Azure**, improving decision-making and operational efficiency.

Roles & Responsibilities:

- ✓ Designed and deployed **ADF ETL/ELT pipelines** for data ingestion from **APIs, Blob Storage, on-prem SQL** into **Synapse Analytics**.

- ✓ Developed **PySpark** transformations in **Azure Databricks**, leveraging **Delta Tables**, **Z-Ordering, Partitioning**, and **Schema Evolution** for high performance.

- ✓ Implemented **Incremental Loads, CDC, and Slowly Changing Dimensions (SCD) for** real-time insights.

- ✓ Optimized queries in **Azure SQL Database** with **Stored Procedures and Window Functions**, reducing latency by 40%.

- ✓ Designed **semantic models in Power BI** with advanced **DAX, Power Query**, and **RLS** for finance, sales, and supply chain dashboards.

- ✓ Secured data using **RBAC, Managed Identity, and Key Vault Integration**.

- ✓ Integrated **monitoring via Azure Monitor & Log Analytics** to track pipeline performance and ensure **Data Quality**.

Project#2

Project	**: CSI – Azure Data Platform Modernization.**
Environment	**: ADF, Databricks, Synapse, Azure SQL, Power BI.**
Role	**: Azure Data Engineer**
Duration	**: Dec 2021 – Nov 2023**

Description:

CSI's existing on-premises SQL-based ecosystem struggled with **scalability, performance, and governance issues**. The client wanted to modernize its analytics landscape by moving to **Azure Cloud**, enabling **self-service analytics, faster data processing, and better governance**. The project aimed at designing a **modern data platform with Medallion Architecture** to improve business intelligence and operational reporting.

Roles & Responsibilities:

- ✓ Migrated **on-premises SQL workflows to Azure** using **ADF and Synapse Analytics**.

- ✓ Built **batch & streaming pipelines** with **Event Hubs and Stream Analytics** to support near real-time insights

- ✓ Engineered **PySpark jobs** in Databricks with **Partitioning, Bucketing, Delta Lake, and Medallion Architecture (Bronze-Silver-Gold layers)**..

- ✓ Implemented **Delta tables** for efficient incremental processing and time-travel capabilities.

- ✓ Built **fact and dimension tables** in Synapse for BI consumption and analytics.

- ✓ Standardized processing using **Medallion Architecture (Bronze, Silver, Gold layers)**.

- ✓ Automated **CI/CD pipelines** in **Azure DevOps & GitHub Actions** for deploying **ADF, Databricks, and Synapse artifacts**.

- ✓ Automated **Power BI refreshes** using REST APIs, ensuring up-to-date dashboards.

- ✓ Created **data quality & monitoring frameworks**, reducing errors by 35% in reporting pipelines.

Education

- ● **Bachelor of Technology (B.Tech) – Electrical and Electronics Engineering**
  Bapatla Engineering College, Bapatla
  June 2017 – July 2021