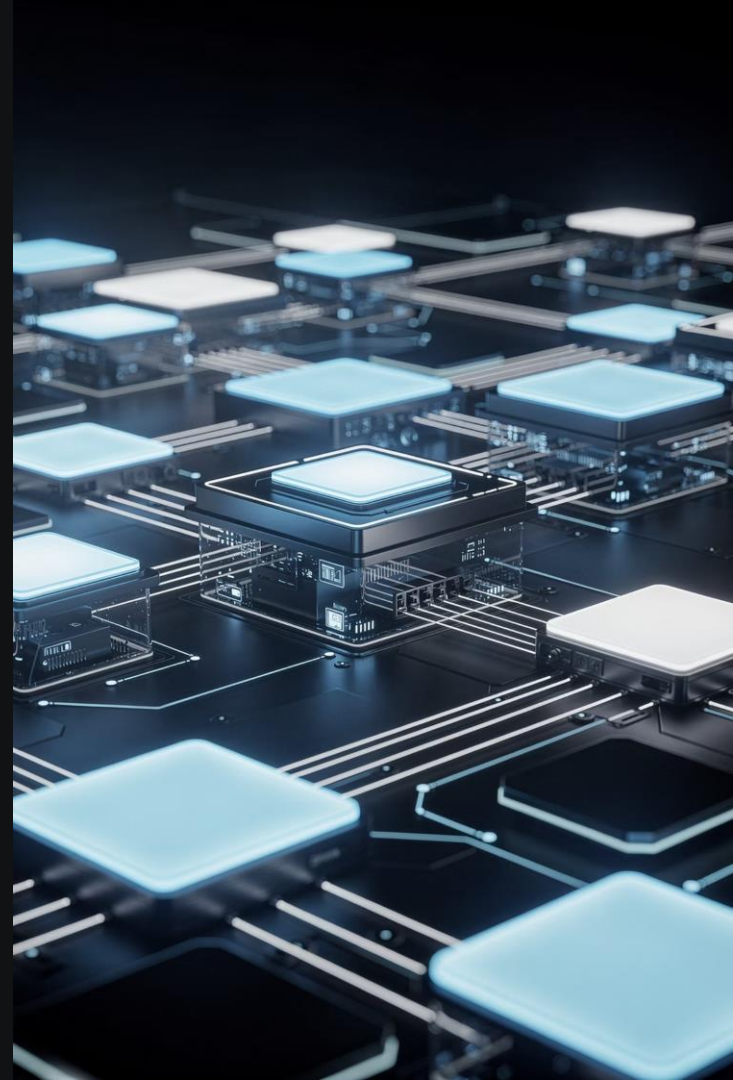


ADF Vs Databricks Charting Your Data Career in 2026

Two paths. One future. Which will define your career?





Mr. Sai Phanindra



20+ Years of Exp



Microsoft Certified Trainer



26K Linked In Followers

Data Analyst

SQL Developer

Data Engineer

BI Developer

Database Admin

Databricks

Training Highlights

1. Step by Step Classes
2. 100% Practical
3. Realtime Projects, Jobs

- Inhouse
- LIVE Online
- Self Paced Videos

Trainer : Mr. Sai Phanindra

www.linkedin.com/in/saiphanindra

20+ Years of **TRUST**

Other Courses from SQL School:

AWS, Postgres, Oracle, .NET, Gen AI, more

A person in a dark suit and tie is shown in profile on the left side of the image, looking towards a large screen. The screen displays various data visualizations, including binary code (0s and 1s) and what appears to be a data table or chart. The overall color scheme is dark blue and black, with some orange and white highlights from the data on the screen. A bright yellow horizontal band is positioned across the middle of the image, containing the text 'ADF Vs Databricks'.

ADF Vs Databricks

Why Attend This Webinar?

- ✓ Understand Azure vs Fabric architecture
- ✓ Learn real-time industry use cases
- ✓ Compare Microsoft vs Opensource ETL
- ✓ Career roadmap for Data Engineers
- ✓ Q & A, Expert Guidance !

Key Technology Comparisons

Azure Synapse vs Fabric Warehouse

ADLS vs OneLake

Power BI Integration

Spark & Notebook Experience

Pricing & Architecture Differences

1. What is a Database ?

Database is prominent platform to store **any type** of data, any amount of data.



Build Skills. Manage Data.
Drive Success.

MASTER SQL DATABASE

— From Data to Decisions —



USE CASE SCENARIOS

- Banking
- Healthcare
- Telecom
- Ecommerce
- Research
- Defense
- Data Science

Core SQL Concepts

Strong foundation for advanced skills

Query Writing & Optimization

Write efficient queries and optimize performance

Database Design & Management

Design scalable databases and ensure data integrity

Real-world Applications

Work on real-time projects and industry use cases

YOU WILL LEARN

- ✓ SELECT Queries & Filters
- ✓ Joins, Subqueries, CTEs
- ✓ Functions & Stored Procedures
- ✓ Views, Indexes & Constraints
- ✓ Performance Tuning
- ✓ Real-time Project Work

IDEAL FOR

- Students
- Working Professionals
- Career Switchers
- Data Enthusiasts



Industry Relevant Skills
Learn what industry really needs



Hands-on Projects
Work on real-world scenarios



Certificate of Completion
Boost your resume and career



Placement Support
Guidance for a better career start

JOIN SQL SCHOOL TODAY! >



+91 9666 44 0801



www.sqlschool.com

2. What is a Data Warehouse?

Data Warehouse (DWH) is a special type of database used to store huge volumes of Historical, Inactive Data.

A DWH can store:

- Historical Data (SCD)
- Incremental Data (SCD)
- Aggregated Data (Medallion)



3. What is ETL ?

ETL Stands for:

- Extract
- Transform
- Load

Using ETL Techniques:

We read data from various sources. Transform or Mashup (Format) the data.

Finally, Load the data into required Destination(s). Preferably, a Warehouse.



Azure Data Engineer

You will Get

- Azure Data Factory
- Azure Data Lake Storage
- Azure Data Bricks
- Azure Synapse
- PySpark and Lot more...

New Batch for
Every 10 Days



Trainer: Mr. Sai Phanindra

[linkedin.com/in/saiphanindra](https://www.linkedin.com/in/saiphanindra)



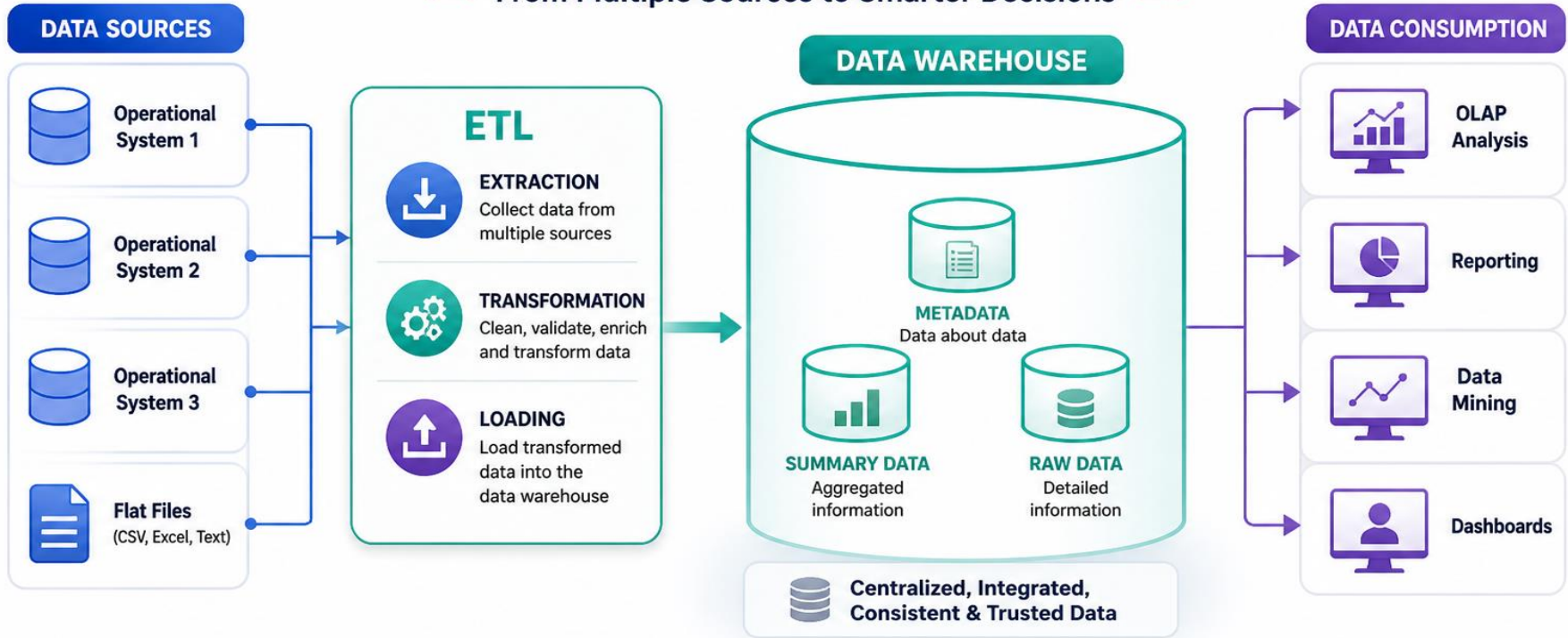
Reach US
Today!

+91 9666 44 0801

www.sqlschool.com

DATA WAREHOUSE ARCHITECTURE

From Multiple Sources to Smarter Decisions



Single Version of Truth

Reliable and consistent data for better decisions



Better Quality Data

Clean, validated and integrated information



Faster Insights

Quick access to historical and real-time data



Smarter Decisions

Empower your business with data-driven strategies

4. What is Data Engineering?

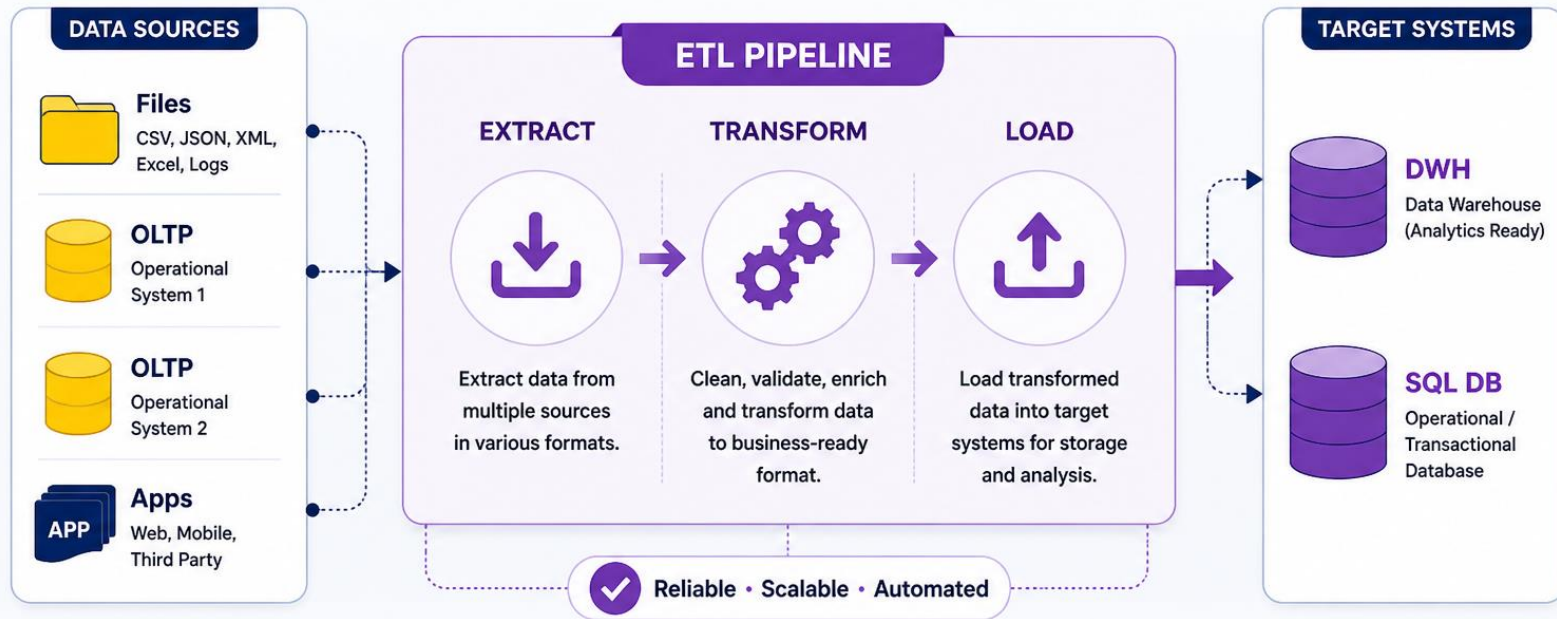


A Data Engineer is a professional who:

- 1. Designs, manages and optimizes Data Warehouses**
- 2. Uses ETL (Extract, Transform & Load) Techniques**
- 3. Perform Big Data Analytics**

DATA ENGINEER

BUILD PIPELINES • TRANSFORM DATA • DRIVE INSIGHTS



EFFICIENT PIPELINES

Automate data movement and reduce manual effort.



HIGH DATA QUALITY

Clean, consistent and trusted data for better decisions.



FASTER INSIGHTS

Deliver accurate data faster to drive business growth.



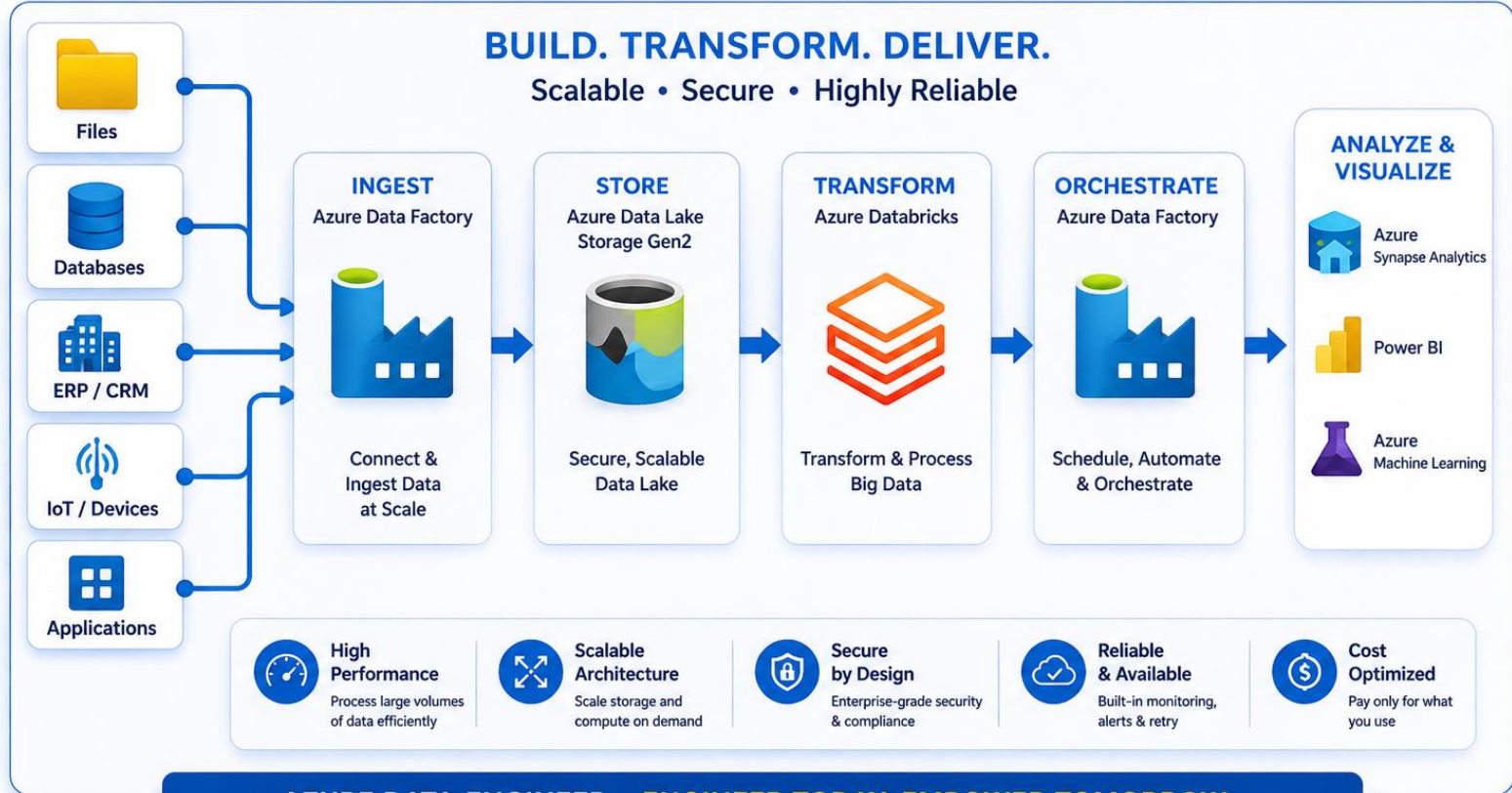
DATA-DRIVEN DECISIONS

Empower your business with actionable insights and real-time analytics.

Azure Data Engineer

BUILD. TRANSFORM. DELIVER.

Scalable • Secure • Highly Reliable



AZURE DATA ENGINEER – ENGINEER TODAY. EMPOWER TOMORROW.

AZURE DATA FACTORY

DATABRICKS

Build • Integrate • Transform • Analyze



Ingest



Orchestrate



Transform



Integrate



VS



Process



Analyze



Delta Lake



Collaborate



End-to-End
Data Workflows



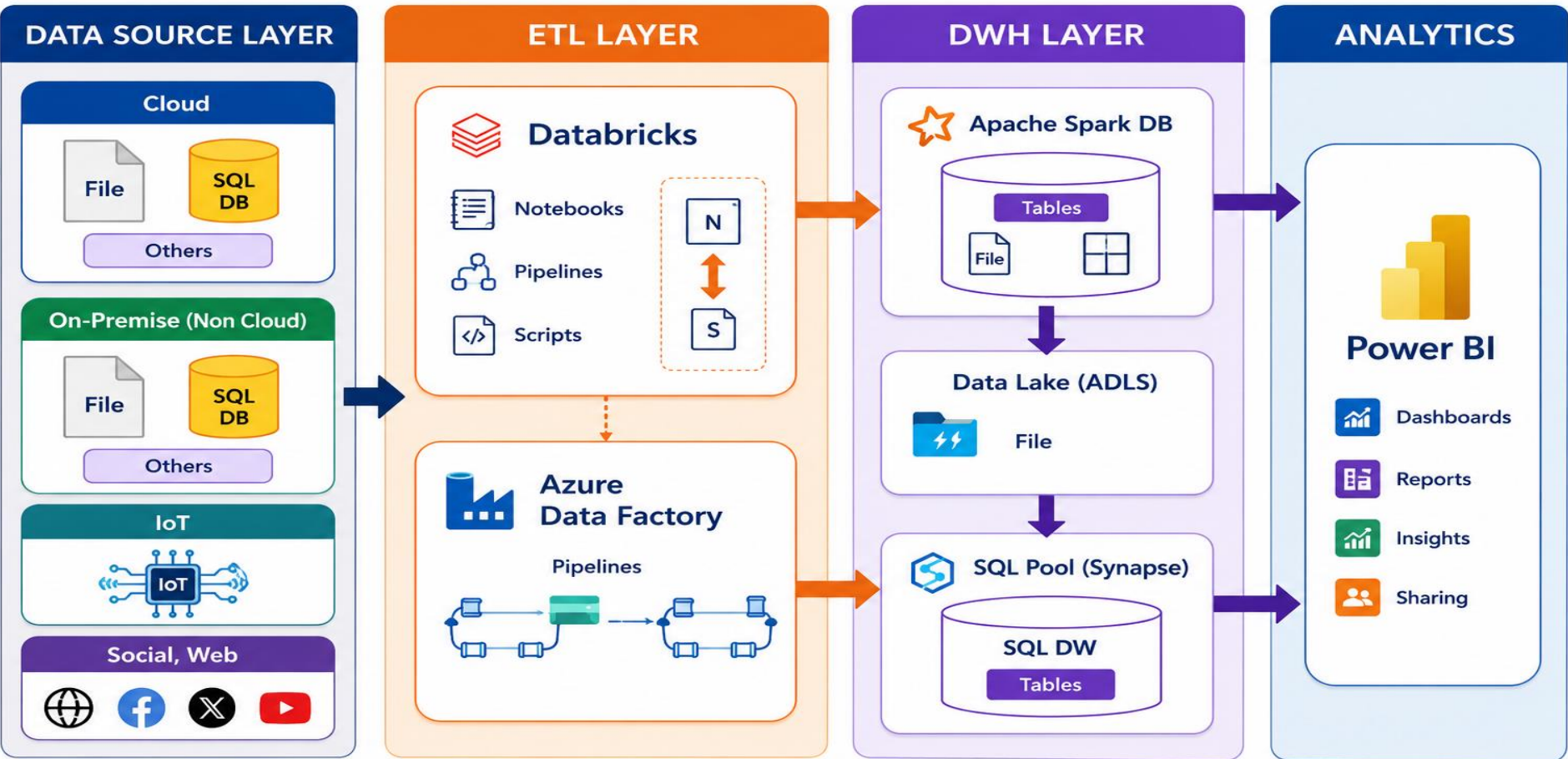
Scalable
& Reliable



Performance
at Scale



Enterprise
Ready



Data Engineers

Architecture Comparison

ADF ARCHITECTURE

Source Systems



Operational systems,
files, APIs, etc.



Azure Data Factory



Ingest, schedule,
and orchestrate data
pipelines



ADLS / SQL DB / Synapse



Store, manage, and
process data



Power BI



Visualize, analyze, and
share insights

DATABRICKS ARCHITECTURE

Source Systems



Operational systems,
files, APIs, etc.



Databricks (Spark Engine)



Process, transform, and
engineer data with
Apache Spark



Delta Lake



Reliable, scalable,
and unified data
storage layer



Power BI / ML Models



Visualize insights
and build ML models

→ ADF Data Flow

→ Databricks Data Flow

 Data Sources

 Storage

 Processing

 Analytics / Insights

Azure Data Factory (ADF) Use Cases

- ✓ Copy data from SQL Server to ADLS
- ✓ Schedule ETL Jobs
- ✓ Execute Stored Procedures
- ✓ Trigger Databricks Notebooks
- ✓ Data Migration Projects
- ✓ Workflow Automation

When to Use ADF?

- ✓ Data Integration
- ✓ ETL Scheduling
- ✓ Workflow Management
- ✓ Moving Data Between Systems
- ✓ Low-Code Development

Databricks Use Cases

- ✓ Large Scale Data Processing
- ✓ Data Lakehouse Architecture
- ✓ Delta Lake Implementation
- ✓ AI & Machine Learning
- ✓ Streaming Analytics
- ✓ Spark SQL & PySpark Development

When to Use Databricks?

- ✓ Big Data Processing
- ✓ Data Lakehouse
- ✓ AI/ML Projects
- ✓ Real-Time Analytics
- ✓ Spark-Based Workloads

Azure Data Factory

VS

Databricks





Choose the Right Tool for Modern Data & Analytics



Azure Data Factory (ADF)

A fully managed data integration service in Azure for building data pipelines and orchestrating workflows.

Key Capabilities

- ✓  **Data Ingestion & Movement**
Move data from 90+ data sources to various destinations.
- ✓  **ETL/ELT Orchestration**
Visually create, schedule and automate complex data pipelines.
- ✓  **Data Transformation**
Built-in transformations and data preparation activities.
- ✓  **Integration Runtime**
Supports cloud and on-premises data sources via Self-hosted IR.
- ✓  **Cost Effective**
Pay-per-use pricing based on pipeline executions and data movement.

Best For: Data Integration, ETL/ELT Pipelines, Data Movement, Orchestration & Scheduling Workflows



Purpose

ADF is for data movement & orchestration.

Databricks is for data processing & analytics.



Works Well Together

Use ADF to ingest and orchestrate data.

Use Databricks to process, transform and analyze data.



Integration






ADF can trigger Databricks notebooks and workflows seamlessly.



Databricks

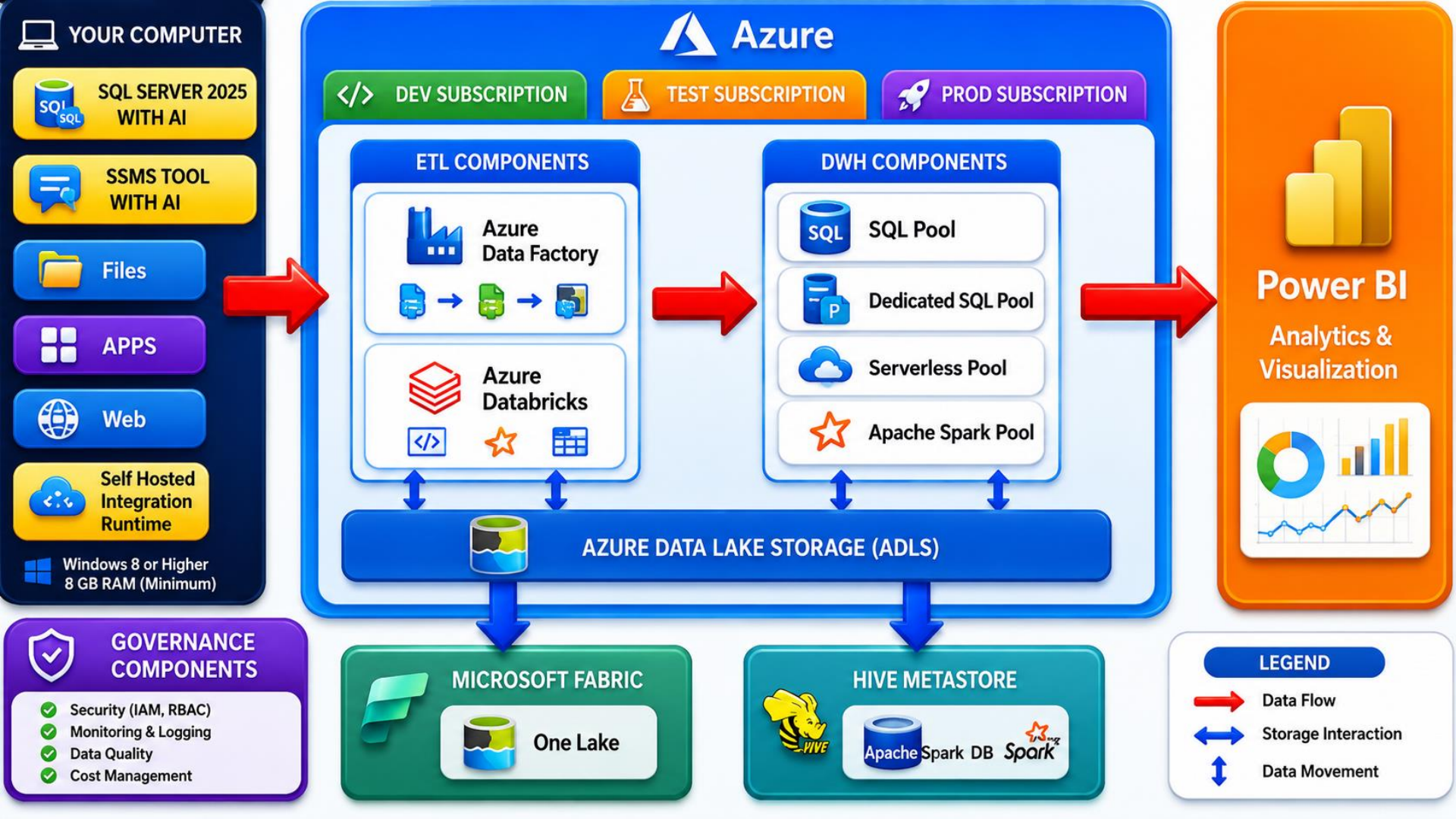
An unified analytics platform powered by Apache Spark for big data processing, analytics, machine learning and AI.

Key Capabilities

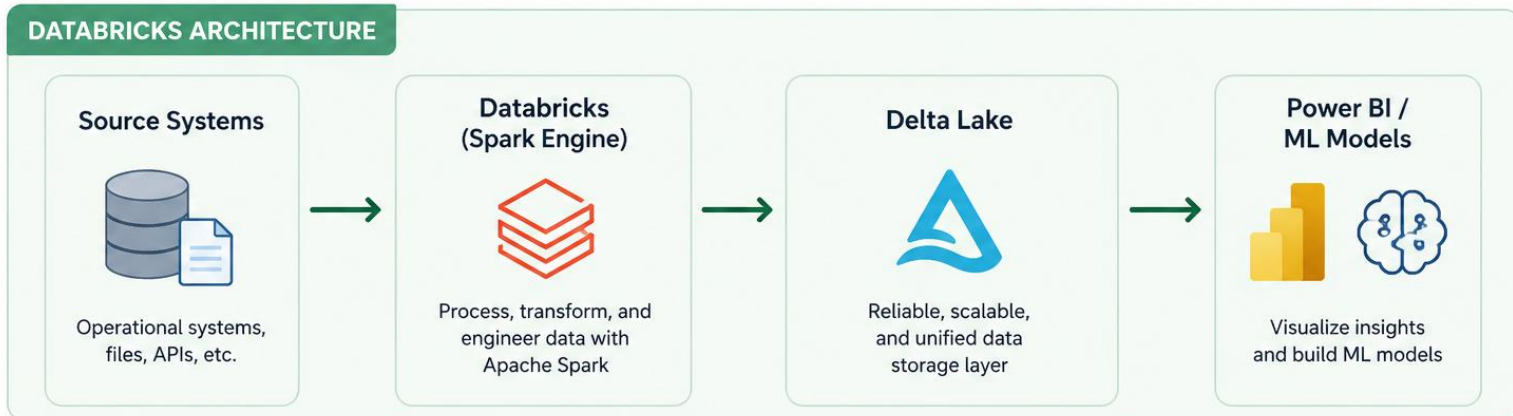
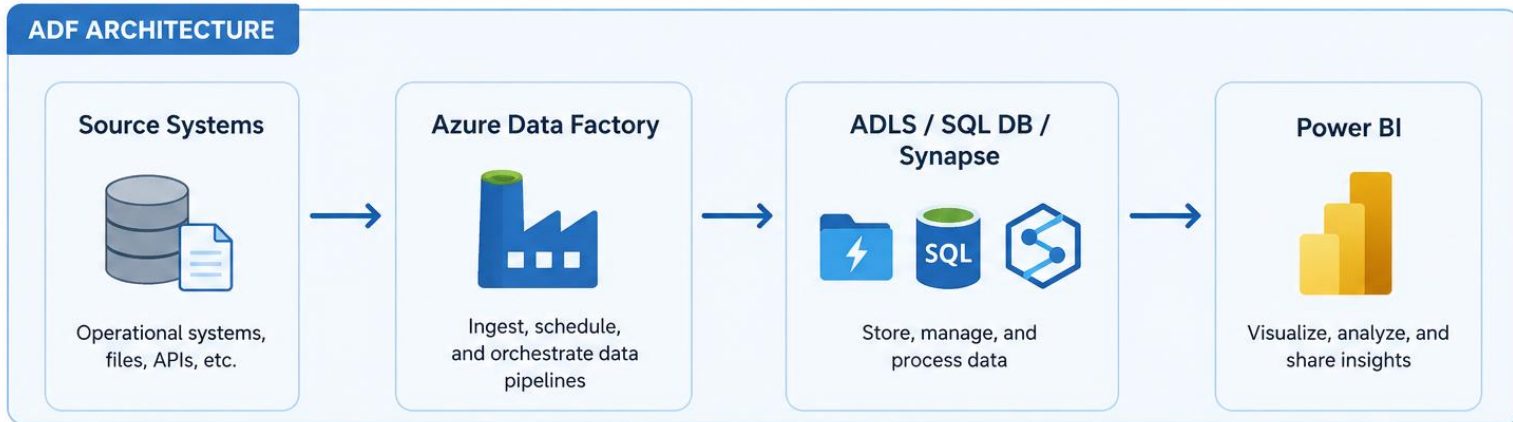
- ✓  **Big Data Processing**
Process large volumes of structured and unstructured data using Apache Spark.
- ✓  **Advanced Analytics**
SQL Analytics, Data Science, Machine Learning and Real-time Analytics.
- ✓  **Data Engineering**
Build scalable data pipelines with Delta Live Tables and Spark.
- ✓  **Delta Lake**
ACID transactions, data reliability and performance at scale.
- ✓  **Collaborative Platform**
Notebooks, Repos, Workflows and sharing across data teams.

Best For: Big Data Processing, Data Engineering, Advanced Analytics, Machine Learning & AI Workloads



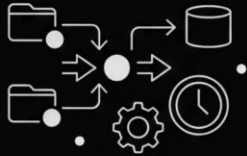


Architecture Comparison



Core Functional Differences

Azure Data Factory



CONNECTIVITY

ORCHESTRATION

WORKFLOW
AUTOMATION

BATCH ETL

Databricks



COMPLEX
TRANSFORMATION

MACHINE
LEARNING

REAL-TIME
STREAMING

DATA SCIENCE

Complementary by Design

ADF manages the **logistics** — routing, scheduling, and moving data to the right place at the right time.

Databricks handles the **heavy lifting** — deep transformation, analytics, and intelligence extraction.



Together, they cover the full data pipeline from ingestion to insight.

Conclusion

- ADF is mainly for orchestration and data movement.
- Databricks is mainly for processing and analytics.
- In most enterprise projects, ADF and Databricks are used together !!

Azure Data Engineering (End to End)

Module 1: MSSQL & TSQL, Tuning

Ch 1: Database Introduction	Ch 7: Schemas, Select Into	Ch 13: Views, Row Level Security	Ch 19: Transactions, Lock Hints	Ch 25: Server Architecture
Ch 2: SQL Server Installation	Ch 8: RDBMS, Constraints	Ch 14: Stored Procedures (SPs)	Ch 20: Indexes, Query Tuning	Ch 26: Realtime Case Study 1
Ch 3: SQL Basics 1 (GUI)	Ch 9: Normal Forms, Modeling	Ch 15: Stored Procedures, Merge	Ch 21: CTEs & Query Tuning	Ch 27: Realtime Case Study 2
Ch 4: SQL Basics 2, Union	Ch 10: Joins & Queries	Ch 16: Functions, Returns, Types	Ch 22: Cursors & Queries	Ch 28: Realtime Case Study 3
Ch 5: Excel Imports	Ch 11: Group By & Joins	Ch 17: Window Functions	Ch 23: Temporary Tables	
Ch 6: Data Types, Usage	Ch 12: Sub Queries & Joins	Ch 18: Triggers & Automations	Ch 24: Linked Servers, Joins	

Module 2: Azure Data Factory

Ch 1: Azure Fundamentals	Ch 8: SQL Database Migrations	Ch 15: Data Flow : Join, Aggregate Tfns	Ch 22: Encryptions & Key Vaults	Ch 29: ADF with CDC (Upsert)
Ch 2: Azure SQL DB Deployments	Ch 9: Pipeline Settings, Staging	Ch 16: Data Flow : Date, SurrogateKey	Ch 23: Azure Metrics & Alerts	Ch 30: ADF with GIT, CI-CD
Ch 3: Azure SQL Warehouse Arch	Ch 10: File Incremental Loads	Ch 17: Data Flow : Lookup, Caching	Ch 24: Azure Logic Apps	Ch 31: ADF with Azure Tables
Ch 4: Azure DWH Tables, Types	Ch 11: Self Hosted IR, OnPremises Loads	Ch 18: Data Flow : Pivot, Deduplication	Ch 25: Synapse Analytics Operations	Ch 32: Azure IoT, ASA Jobs
Ch 5: Azure Data Factory (ADF)	Ch 12: Table Incremental Loads (SCD)	Ch 19: ADF Pipeline Optimizations	Ch 26: Synapse Studio: SP Activity	Ch 33: Project Requirement
Ch 6: ADF Pipelines: IR, Basic ETL	Ch 13: Data Flow & Spark Clusters	Ch 20: Security, Logins, Parameters	Ch 27: Synapse: Serverless Pool	Ch 34: Project Solution
Ch 7: Azure Storage, BLOB Imports	Ch 14: Data Flow : Data Cleansing Tfns	Ch 21: Control Tables, Parameters,CDC	Ch 28: Synapse: Apache Spark Pool	Ch 35: DP 900 Exam Guidance

Module 3: Databricks (Spark, PySpark, AI)

Ch 1: Databricks Introduction	Ch 8: Python: Basics, Print	Ch 15: Medallion Architecture	Ch 22: PySpark: Auto Loader - 2	Ch 29: Azure Databricks 2
Ch 2: Databricks Account	Ch 9: Python: Variables	Ch 16: PySpark: File Aggr Loads	Ch 23: ETL Optimizations & AI	Ch 30: Project Requirement
Ch 3: Databricks Architecture	Ch 10: Python: Operators	Ch 17: PySpark: Table Aggr Loads	Ch 24: Databricks Security, Genie	Ch 31: Project Solution (Bronze)
Ch 4: Spark SQL: Fundamentals	Ch 11: Python: Data Types	Ch 18: PySpark: Delta Tables, SCD	Ch 25: Databricks with Power BI	Ch 32: Project Solution (Silver)
Ch 5: Spark SQL: Joins, Case	Ch 12: Python: Dataframes	Ch 19: PySpark: Widgets, Genie (AI)	Ch 26: Databricks with GITHUB	Ch 33: Project Solution (Gold)
Ch 6: Spark SQL: Time Travel	Ch 13: Python: Transformations	Ch 20: PySpark: Workflows (Jobs)	Ch 27: Spark Declarative Pipelines	Ch 34: Databricks Data Engg Ascc. Guidance
Ch 7: Spark SQL: Functions	Ch 14: PySpark: Volume Imports	Ch 21: PySpark: Auto Loader - 1	Ch 28: Azure Databricks 1	Ch 35: DP 750 Exam Guidance

TWO End to End Realtime Projects (ADF, DBR) For Your Resume + Fabric Concepts & Migrations

www.sqlschool.com

Ph: +91 9666 44 0801, +91 9666 64 0801. '+919030040801



SERVICES WE PROVIDE

Learn. Build. Grow. Get Placed.



1

TRAININGS



Learn in-demand skills with expert-led training programs.

2

PROJECTS



Build real-world projects and strengthen your skills.

3

MOCK INTERVIEWS



Practice mock interviews and gain the confidence to succeed.

4

PLACEMENTS



Get placed in top companies and kickstart your career.

5

JOB SUPPORT



Resume reviews, career guidance and ongoing job support.



SKILLS TODAY. SUCCESS TOMORROW.



Training Modes at SQL School:

LIVE Online Training



Real-time interaction with expert trainers



Live Q&A and doubt clearing



Hands-on learning in live environment

Self Paced Videos



Step-by-step video lessons



Learn at your own pace



Download and watch anytime, anywhere

Classroom Training



Face-to-face learning



Hands-on with live examples



Interaction and networking

Job Oriented *Intensive Training* from SQL School



Daily Assignments



Weekly Mock Interviews



Resume



Project Explanations



Job Assistance

SQL SCHOOL

Premium Quality Training

LEARN TODAY. LEAD TOMORROW!



Build In-Demand Skills.
Boost Your Career.

With **SQL School** Training Institute.



EXPERT TRAINERS
Learn from industry professionals



PRACTICAL LEARNING
Real-world projects & hands-on training



PREMIUM QUALITY
High-quality content & learning experience



CAREER SUPPORT
Placement assistance & guidance



WHY CHOOSE SQL SCHOOL?



Comprehensive Courses



Hands-on Projects



Placement Assistance



Industry Recognized Certification



Flexible Batch Timings

ENROLL NOW & TRANSFORM YOUR FUTURE!

 Better Skills. Better Opportunities. **Better You.**

QUALITY TRAINING. REAL RESULTS.

JOIN THOUSANDS OF SUCCESS STORIES!



CALL NOW
+91 9666 44 0801



VISIT US
www.sqlschool.com



OUR CENTERS
Hyderabad | Bangalore | Online

**YOUR SUCCESS
IS OUR MISSION!**