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Premium Quality Training

*Build Cloud Skills  
Build Your Future!*

# Azure Data Engineer TRAINING

*From SQL to Cloud. From Data to Decisions.*

Icons representing Azure services: Azure SQL Database, Azure Data Factory, Azure Synapse Analytics, Azure Data Lake Storage, Databricks & PySpark, Azure DevOps & Microsoft Fabric.

Icons representing training features: 100% Practical Training, Real-Time Projects, Interview Preparation, Resume Guidance, High-Demand Career Opportunities.

**Career Growth**  
From Analyst to Cloud Expert

Bar chart showing career progression: Data Analyst, Business Analyst, Data Engineer, Azure Data Engineer, Cloud Architect.

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**20+ YEARS**  
INDUSTRY EXPERTISE

**Mr. Sai Phanindra Tholeti**  
Trainer  
20+ Years of Experience in Database, Azure & Data Engineering

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Thank you for your interest in **SQL School's** Azure Data Engineering Training Program. I'm **Mr. Sai Phanindra**, your trainer and mentor for this course. With 21 years of experience in Database Technologies, Data Engineering, Business Intelligence, and Data Warehousing, I bring extensive real-world expertise into every training session.

Let's connect: [linkedin.com/in/saiphanindra/](https://www.linkedin.com/in/saiphanindra/)

### What You Will Learn to Build

This Azure Data Engineer Training is designed to help you understand and implement a **complete end-to-end data engineering solution** using Microsoft Azure technologies.

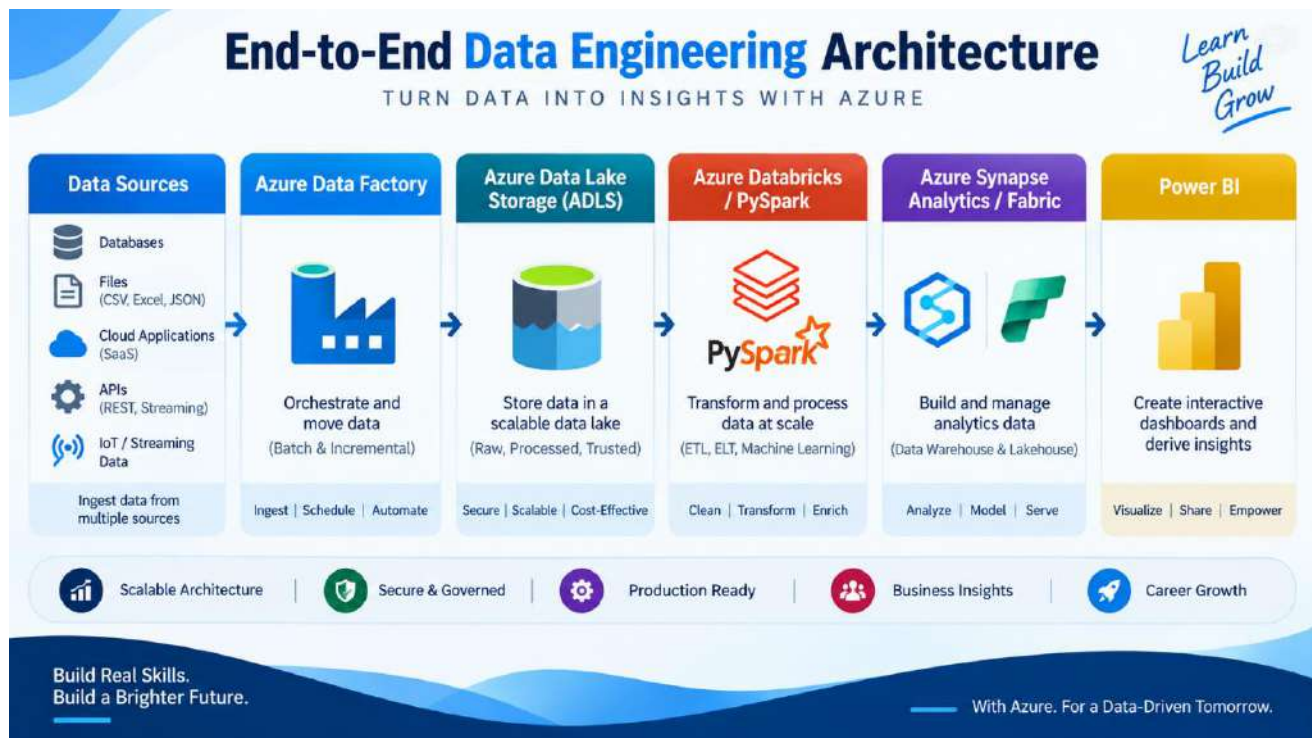
Instead of learning each technology in isolation, you will understand **how different Azure data services work together in a real-world data platform**.

Through hands-on training and projects, you will learn how to:

- Ingest data from databases, files, APIs and streaming sources
- Orchestrate data pipelines using **Azure Data Factory (ADF)**
- Store and manage large-scale data using **Azure Data Lake Storage (ADLS)**
- Transform and process data using **Azure Databricks, Spark & PySpark**
- Build **Bronze → Silver → Gold** data architectures
- Develop analytics solutions using **Azure Synapse Analytics & Microsoft Fabric**
- Connect transformed data to **Power BI** for reporting and business insights
- Implement security, monitoring, optimization and CI/CD practices

### Understand the Complete Data Engineering Journey

The following architecture shows the **end-to-end data journey** you will learn and implement during this program: **Sources → ADF → ADLS → Databricks/PySpark → Synapse/Fabric → Power BI**



### Azure Data Engineer Training Course Content

This hands-on training program is divided into **THREE** comprehensive modules:

#### Module 1: SQL Server (MSSQL) & TSQL

#### Module 2: Azure Data Engineering

Section 1: Databricks (Spark, Python ETL, PySpark, Azure Databricks, Airflow, AI)

Section 2: Azure Data Factory & Synapse, ADLS, IoT

Section 3: Real-Time Projects

#### Module 3: Interview & Career Preparation

**This Azure Data Engineering course includes complete guidance for below Certifications:**

- **Microsoft DP-750 Exam** (Azure Databricks)
- **Databricks Data Engineer Associate Exam** (Open-Source Databricks)

**Total Duration: 10 Weeks**

#### Prerequisites

- ✓ None
- ✓ The course starts from the fundamentals and progresses to advanced Data Engineer concepts!

## Detailed Course Content

### Module 1: MSSQL & TSQL

#### Ch 1: SQL Database Job Roles

- ✓ Database Intro
- ✓ OLTP, DWH, OLAP
- ✓ DBMS Basics
- ✓ Data Engineer Job Roles

#### Ch 2: Database Intro & Installations

- ✓ SQL Server Installations
- ✓ Instance & Collations
- ✓ SSMS Tool Installation
- ✓ Connections, Authentications

#### Ch 3: SQL Basics V1 (Commands)

- ✓ SQL Basics (DDL, DML, etc..)
- ✓ Creating Databases, Tables
- ✓ Data Inserts (GUI, SQL)
- ✓ Basic SELECT Queries

#### Ch 4: SQL Basics V2 (Commands, Operators)

- ✓ DDL: Create, Alter, Drop
- ✓ DML: Insert, Update, Delete
- ✓ DQL: Select, Fetch
- ✓ Add, Truncate Statements
- ✓ SQL Operators

#### Ch 5: Data Types & Variables

- ✓ Integer Data Types
- ✓ Character, MAX Data Types
- ✓ Decimal & Boolean Data Types
- ✓ Date and Time Data Types
- ✓ SQL\_Variant Type

#### Ch 6: Data Imports

- ✓ Data Imports with Excel
- ✓ Data Imports with CSV
- ✓ Data Types Detection
- ✓ OLE-DB Connections
- ✓ ORDER BY, TOP, OFFSET

#### Ch 7: Schemas & Batches

- ✓ Schemas & Table Grouping
- ✓ Real-world Banking Database
- ✓ 2 Part, 3 Part & 4 Part Naming

- ✓ Batch Concept & “Go” Command

### **Ch 8: Constraints, Keys & RDBMS**

- ✓ Null, Not Null Constraints
- ✓ Unique Key & Check
- ✓ Primary Key Constraint
- ✓ Foreign Keys, Default
- ✓ DB Diagrams & ER Models

### **Ch 9: Normal Forms & RDBMS**

- ✓ Normal Forms: 1 NF, 2 NF
- ✓ 3 NF, BCNF and 4 NF
- ✓ 1:1, 1:M, M:1 Cardinality
- ✓ Cascading Keys, Self Referencing Keys

### **Ch 10: Joins & Queries**

- ✓ Joins: Table Comparisons
- ✓ Inner Joins & Matching Data
- ✓ Outer Joins: LEFT, RIGHT
- ✓ Full Outer Joins & Aliases
- ✓ Self Joins & Aliases

### **Ch 11: Sub Queries**

- ✓ Basic Sub Queries
- ✓ Aggregations
- ✓ Combining Queries
- ✓ Correlated Sub Queries
- ✓ UNION, UNION ALL

### **Ch 12: Group By Queries**

- ✓ Group By, Distinct
- ✓ GROUP BY, HAVING
- ✓ Cube( ) and Rollup( )
- ✓ Sub Totals & Grand Totals
- ✓ Grouping( ) & Usage
- ✓ ISNULL, COALESCE

### **Ch 13: Joins with Group By, Sub Queries**

- ✓ 3 Table, 4 Table Joins
- ✓ Join Queries & WHERE
- ✓ Join & Group By, Sub Queries
- ✓ IIF(), CASE Statement
- ✓ EXISTS, NOT EXISTS
- ✓ Query Execution Order

### **Ch 14: Views & RLS**

- ✓ Views: Realtime Usage

- ✓ DML, SELECT with Views
- ✓ WITH CHECK OPTION
- ✓ Row Level Security (RLS)
- ✓ Important System Views

### **Ch 15: Functions & Queries**

- ✓ User Defined Functions
- ✓ Scalar, Table Value Functions
- ✓ Variables & Parameters
- ✓ Date & Time Functions
- ✓ String Functions
- ✓ Aggregated Functions
- ✓ Data Conversion Functions

### **Ch 16: Advanced SQL & Window Functions**

- ✓ Window Functions (Rank)
- ✓ Row\_Number, DenseRank
- ✓ Partition By & Order By
- ✓ Lag & Lead Functions
- ✓ Pivot, UnPivot
- ✓ Running Totals
- ✓ Moving Average

### **Ch 17: Stored Procedures - 1**

- ✓ Stored Procedures: Realtime Use
- ✓ Parameters Concept with SPs
- ✓ Procedures with SELECT
- ✓ System Stored Procedures
- ✓ Stored Procedures, Tuning

### **Ch 18: Stored Procedures - 2**

- ✓ Merge Statement (Upsert)
- ✓ Merge with OLTP & DWH
- ✓ Matched and Not Matched
- ✓ Merge & SP Recompilations

### **Ch 19: Triggers & Automations**

- ✓ Need for Triggers in Real-world
- ✓ DDL & DML Triggers
- ✓ For / After Triggers
- ✓ Instead Of Triggers
- ✓ Disabling DMLs Triggers

### **Ch 20: Transactions & ACID**

- ✓ Auto Commit Transaction
- ✓ Explicit Transactions
- ✓ COMMIT, ROLLBACK

- ✓ Checkpoint & Query Blocking
- ✓ READPAST, LOCKHINT
- ✓ TRY...CATCH & Error Handling

### Ch 21: SQL Query Performance & Indexing

- ✓ Clustered vs Nonclustered Indexes
- ✓ Index Seek vs Scan
- ✓ Execution Plans
- ✓ SARGable Queries
- ✓ Tuning Queries
- ✓ Avoiding SELECT \*
- ✓ Indexing JOIN/WHERE columns
- ✓ Statistics Basics
- ✓ Query Optimization Examples

### Ch 22: CTEs & Tuning

- ✓ Common Table Expression
- ✓ CTEs for Data Retrieval
- ✓ CTEs for DML Operations
- ✓ Data Cleansing Techniques
- ✓ Duplicate Detection/Removal

### Ch 23: Temp Tables & Query Techniques

- ✓ Local & Global Temp Tables
- ✓ SELECT..INTO Statement
- ✓ Cursor Basics – When to Use & Avoid
- ✓ NULLIF
- ✓ Basic Execution-Plan Reading

### Ch 24: Bonus / Advanced Module: SQL Server Internals

- ✓ Database Engine Components
- ✓ Parser, Compiler & Optimizer
- ✓ Parsing and Compilation
- ✓ Memory Manager & IO Managers

### Real-Time Project on HealthCare Domain

#### Project Requirement:

Solve 20+ Real-World Healthcare Business Requirements.

#### Project Workflow:

Database Design → SQL Development → Data Analysis → Performance Optimization

#### Project Operational Flow:

Healthcare DB → Patients → Doctors → Appointments → Treatments → Billing → Insurance → SQL Analysis → Stored Procedures → Performance Tuning → Business Reports

## **Business Requirements:**

*Monthly Hospital Revenue, Top Doctors By Patients Treated, Repeat Patients, Department Performance, Average Treatment Cost, Unpaid Bills, Insurance Claim Analysis, Patient Trends, Month-Over-Month Revenue And Top Procedures...*

## **Module 2: Azure Data Engineer**

### **Section 1: Databricks (Spark, PySpark, Big Data, Genie AI)**

#### **Ch 1: Databricks Introduction**

- ✓ Cloud ETL, DWH
- ✓ Cloud Computing
- ✓ Databricks Concepts
- ✓ ETL Components
- ✓ Lakehouse & Big Data Concepts
- ✓ Databricks Workspace UI
- ✓ Databricks Account

#### **Ch 2: Databricks Basic Operations**

- ✓ Catalog
- ✓ Schema
- ✓ Volumes, Files
- ✓ Tables
- ✓ Need for ETL
- ✓ Need for PySpark
- ✓ Catalog Explorer

#### **Ch 3: Databricks Architecture**

- ✓ Databricks Architecture
- ✓ Databricks Lakehouse Architecture
- ✓ Databricks Runtime (DBR)
- ✓ RDD & DAG
- ✓ Spark Compute Concepts
- ✓ Workers & Drivers
- ✓ Databricks Framework
- ✓ Databricks APIs

#### **Ch 4: Unity Catalog**

- ✓ Unity Catalog Concepts
- ✓ Catalog Types
- ✓ Volume Types
- ✓ Table Types
- ✓ Parquet & Delta Tables
- ✓ Managed & External Tables
- ✓ Lineage, Data Governance
- ✓ Spark Table Creations

#### **Ch 5: Spark SQL: Basics**

- ✓ Spark SQL Notebooks

- ✓ Creating Catalog
- ✓ Creating Schemas
- ✓ Creating Tables
- ✓ DDL Operations
- ✓ Spark Data Types
- ✓ Notebooks: Exports, Clone

## **Ch 6: Spark SQL: Functions**

- ✓ Math, Sort Functions
- ✓ String, DateTime Functions
- ✓ Conditional Statements
- ✓ SQL Expressions with `expr()`
- ✓ Volume for our Data Assets
- ✓ File Formats, Schema Inference
- ✓ Spark SQL Aggregations

## **Ch 7: Spark SQL: Time Travel**

- ✓ Time Travel Concepts
- ✓ Spark DB: Logical Architecture
- ✓ Spark DB: Physical Store
- ✓ Data File & Log File Store
- ✓ Time Travel
- ✓ `DESCRIBE`, `EXTENDED`
- ✓ `HISTORY`
- ✓ Version Numbers

## **Ch 8: Python: Introduction, Print**

- ✓ Python Introduction
- ✓ Python Versions
- ✓ Python Implementations
- ✓ Python in Spark (PySpark)
- ✓ Python `Print()`
- ✓ Single, Multiline Statements

## **Ch 9: Python: Variables**

- ✓ Python Variables
- ✓ Variable Declarations
- ✓ Variable Values
- ✓ Multi Variable Values
- ✓ Common Variable Values
- ✓ Realtime use of Variables

## **Ch 10: Python: Operators**

- ✓ Need for Operators
- ✓ Arithmetic Operators
- ✓ Assignment Operators
- ✓ Comparison Operators

- ✓ Operator Precedence
- ✓ Operands in Python

### **Ch 11: Python: Control Statements**

- ✓ Python Control Structures
- ✓ If ... Else Statement
- ✓ Short Hand If
- ✓ ELIF & ELSE IF Statements
- ✓ OR, AND Concepts
- ✓ Python Loops

### **Ch 12: Python: Data Types**

- ✓ Python Data Types
- ✓ Integer / Int Data Types
- ✓ Float, String Data Types
- ✓ List Data Type
- ✓ Dictionary Data Type
- ✓ Tuple Data Type

### **Ch 13: Python: Modules & DataFrames**

- ✓ Python Modules
- ✓ Pandas, NumPy
- ✓ DataFrame Concepts
- ✓ Handling Nulls
- ✓ Data Cleansing Concepts
- ✓ Python Functions

### **Ch 14: PySpark DataFrames & Transformations**

- ✓ Creating PySpark DataFrames
- ✓ Reading Data Sources
- ✓ select(), filter(), withColumn()
- ✓ Handling NULL Values
- ✓ Data Type Casting
- ✓ Joins, Aggregations
- ✓ Window Functions
- ✓ Writing DataFrames

### **Ch 15: Medallion Architecture - 1**

- ✓ Medallion Architecture
- ✓ Aggregated Data Loads
- ✓ Bronze, Silver and Gold
- ✓ Temp Views
- ✓ Spark Tables (Parquet)
- ✓ Work with File Sources

### **Ch 16: Medallion Architecture - 2**

- ✓ Medallion Architecture

- ✓ Azure SQL DB Connections
- ✓ Joining Source Tables
- ✓ Data Frames, Temp Views
- ✓ Aggregated Data Loads
- ✓ Gold Data Consumption
- ✓ Raw Sources → Bronze → Silver → Gold → BI/Analytics

### Ch 17: Delta Lake

- ✓ Databricks Delta Lake
- ✓ Schema Evolution
- ✓ Azure SQL DB Connections
- ✓ DataFrames, Temp Views
- ✓ Delta Table API
- ✓ MERGE / Upsert Operations
- ✓ Version History & Data Retention
- ✓ Delta Transaction Log

### Ch 18: PySpark: Widgets

- ✓ PySpark Parameters
- ✓ Text Widgets
- ✓ User Parameters
- ✓ Manual Executions
- ✓ Automations
- ✓ UI & JSON For Widgets

### Ch 19: Lake Flow Jobs

- ✓ Workflows & CRON
- ✓ Job Compute, Running Tasks
- ✓ Python Script Tasks
- ✓ Parameters into Notebook Tasks
- ✓ Parameters into Python Script Tasks
- ✓ Concurrent Executions, Dependencies
- ✓ Branching Control

### Ch 20: PySpark: Auto Loader

- ✓ Cloud Files Architecture
- ✓ Checkpoint Configurations
- ✓ Schema Location
- ✓ Checkpoint Location
- ✓ Data Stream
- ✓ Schema Evaluation Modes
- ✓ Incremental File Ingestion
- ✓ Rescued Data Column

### Ch 21: LakeFlow Declarative Pipelines

- ✓ SDP: Spark Declarative Pipelines
- ✓ Delta LIVE Tables

- ✓ Streaming Data Loads
- ✓ Bronze, Silver, Gold Data
- ✓ Materialized Views
- ✓ Pipeline Clusters
- ✓ Data Quality Checks

## **Ch 22: Databricks Optimizations**

- ✓ Lazy Evaluation
- ✓ Explain Plan
- ✓ Caching, Data Shuffling
- ✓ Broadcast Joins
- ✓ Partitions, Data Skew
- ✓ Liquid Clustering
- ✓ VACUUM
- ✓ OPTIMIZE, Z Ordering

## **Ch 23: Databricks Security, AI**

- ✓ ACL: Access Control List
- ✓ Workspace Access Control
- ✓ Catalog Security
- ✓ Schema, Volume Security
- ✓ Table Security
- ✓ Column Security

## **Ch 24: Databricks with Power BI**

- ✓ Workspace Settings
- ✓ Access Keys (Tokens)
- ✓ Server Host
- ✓ HTTP Path
- ✓ Spark Connectors
- ✓ Databricks Connectors

## **Ch 25: Genie AI**

- ✓ Genie AI Concepts
- ✓ Unity Catalog
- ✓ AI Components in Databricks
- ✓ Debugging Controls
- ✓ Using AI for Notebook Design

## **Ch 26: GitHub & Asset Bundle**

- ✓ GitHub Concepts
- ✓ GIT: Main, Branches
- ✓ Asset Bundle
- ✓ Integrating GIT with Asset Bundle
- ✓ Process Integration

## **Ch 27: Apache Airflow**

- ✓ Apache Airflow Concepts
- ✓ Airflow Operators & DAG
- ✓ Python Scripts for Airflow
- ✓ DatabricksRunNowOperator
- ✓ DatabricksSubmitRunOperator
- ✓ Airflow Jobs

## Section 2: Azure Data Factory & Synapse, ADLS

### Ch 1: Azure Fundamentals

- ✓ Cloud Introduction, Azure
- ✓ Cloud Implementations
- ✓ Azure Account, Subscription
- ✓ Azure ETL & DWH Resources
- ✓ Azure Storage, IoT Resources

### Ch 2: Azure Storage & ADLS

- ✓ Azure Data Lake Storage
- ✓ Azure BLOB Containers
- ✓ Access Keys
- ✓ SAS Keys
- ✓ IAM & ACLs

### Ch 3: Azure Deployments, Azure SQL

- ✓ Azure SQL Server Deployment
- ✓ Azure SQL DB Deployment
- ✓ Azure SQL Database (OLTP)
- ✓ Azure Firewall Rules
- ✓ Connections from SSMS Tool

### Ch 4: Azure SQL DB Migrations

- ✓ Azure Storage Account
- ✓ On-Premise SQL DB, bacpac
- ✓ Azure SQL DB Migration
- ✓ SQL Server Imports from BLOB
- ✓ Migration Verifications

### Ch 5: Azure Synapse Analytics (DWH)

- ✓ Synapse Pool Architecture
- ✓ Control Node, Compute Node
- ✓ DMS (Data Movement Service)
- ✓ Azure DWH Tables: Partitions
- ✓ Distributions & MAXDOP

### Ch 6: Azure Data Factory – Pipelines

- ✓ ADF Intro & Pipeline Artifacts
- ✓ Integration Runtime (IR)

- ✓ Linked Services, Datasets
- ✓ Copy Data Activity
- ✓ Azure SQL DB Loads
- ✓ Azure Synapse Analytics Writes
- ✓ Pipeline Validation, Runs

### **Ch 7: ADF: Azure Blob Data Loads**

- ✓ ADF Author & Pipeline Runs
- ✓ Azure BLOB Storage Access
- ✓ Storage Containers in ADF
- ✓ Pipeline Staging
- ✓ Pipeline Logging
- ✓ Validations & Schedules

### **Ch 8: Table Incremental Loads**

- ✓ Implement SCD with ADF
- ✓ Self Hosted IR: Realtime Use
- ✓ On-premise Data: Incr Loads
- ✓ Copy Method: Upsert, Keys
- ✓ Staging & ADF Optimizations
- ✓ Pipeline Logging

### **Ch 9: ADF Data Flow - 1**

- ✓ Creating Data Flow Items
- ✓ Using Multiple Sinks
- ✓ Conditional Split Transformation
- ✓ Select, Sort, Union, Loops
- ✓ ADF Debug Options

### **Ch 10: ADF Data Flow - 2**

- ✓ Working with Multiple Tables
- ✓ Join Transform, Broadcast
- ✓ Surrogate Keys, Derived Cols
- ✓ ETL Loads Dates, Sink Options
- ✓ Aggregated Data Loads

### **Ch 11: ADF Data Flow - 3**

- ✓ Pivot Transformation
- ✓ Group By & Pivot Keys
- ✓ Column Pattern, Deduplicate
- ✓ Lookup, Cached Lookup
- ✓ Tuing Transformations
- ✓ Tuning Data Flow, Spark

### **Ch 12: ADF Data Flow - 4**

- ✓ Get Metadata
- ✓ IF & Lookup Transformation

- ✓ Cache Lookup
- ✓ Broadcast Options
- ✓ DIU, DOCP

### **Ch 13: ADF Parameters, Security**

- ✓ Linked Service Parameters
- ✓ Creating Logins & Users
- ✓ Schemas, ETL Permissions
- ✓ Logins Parameters in ADF
- ✓ Dynamic Linked Services

### **Ch 14: SCD & ETL with Control Tables**

- ✓ ADF Templates in Realtime
- ✓ Incremental Loads (SCD)
- ✓ Control Tables, Watermarks
- ✓ Lookup Activity, Delta Queries
- ✓ SP Activity & Parameters
- ✓ Pipeline Parameters, SPs

### **Ch 15: ADF Metrics, Alerts**

- ✓ Azure Insights
- ✓ Azure Metrics for ADF
- ✓ Azure Metrics for Synapse
- ✓ Alerts and Notifications
- ✓ Action Groups, Tuning Options

### **Ch 16: ADF with DevOps & CI/CD**

- ✓ Git repositories and branching
- ✓ ADF Git integration
- ✓ Development / Test / Production environments
- ✓ Parameterized deployments
- ✓ Production release workflow

### **Ch 17: Azure Databricks**

- ✓ Azure Databricks Deployments
- ✓ Azure Databricks Regions
- ✓ Classic Deployments
- ✓ Access connector for Databricks

### **Ch 18: Azure Databricks with ADLS**

- ✓ Creating IAM Users
- ✓ ADLS Security for Databricks
- ✓ Creating Service Principals
- ✓ Enterprise Applications
- ✓ Client ID, Secret ID
- ✓ External Tables (Delta)

### Ch 19: Azure Stream Analytics

- ✓ Azure IoT Hubs
- ✓ Azure Stream Analytics
- ✓ LIVE Data Ingestions
- ✓ SAQL Queries
- ✓ Stream Analytics Jobs
- ✓ Handling JSON Data

### Ch 20: Azure Key Vaults

- ✓ Azure Key Vaults
- ✓ Azure Keys & Secrets
- ✓ Access Policies
- ✓ Secret Management
- ✓ Managed Identity

### Ch 21: Azure Logic Apps

- ✓ Azure Logic Apps
- ✓ Logic Apps & Automations
- ✓ Azure Events
- ✓ Azure Triggers & Signals
- ✓ ADLS with Logic Apps

## Section 3: Real-Time Projects for Data Engineering

### Real-Time Project 1: Online Travel Data Engineering Platform

#### Project Objective:

Build an end-to-end Azure Data Engineering solution to process, transform, and analyze Online Travel business data from multiple sources.

#### Skills Gained:

- ✓ Data Ingestion & ETL Development
- ✓ Azure Data Factory Pipelines
- ✓ Data Orchestration (End to End)
- ✓ Data Lake Architecture, RBAC
- ✓ Real-Time Industry Experience
- ✓ Azure IoT, Stream Analytics
- ✓ Azure Databricks with Data Factory

#### Components For Project

- ✓ ADF Pipelines
- ✓ Databricks Notebooks
- ✓ Synapse Analytics
- ✓ Apache Spark Schemas
- ✓ Monitoring & Alerts
- ✓ CI/CD Deployment
- ✓ End to End Integrations
- ✓ IAM & Managed Identity

## Real-Time Project 2: Retail Sales Analytics Platform using Databricks (Medallion Architecture)

### Project Overview

Students will build a production-style data platform using Lakehouse Architecture (Bronze, Silver, and Gold), implementing modern ETL practices, data quality validation, incremental processing, orchestration, optimization, and reporting.

### Business Scenario

A multinational retail company receives daily data from multiple operational systems. The company wants to build a centralized analytics platform to:

- ✓ Consolidate data from different business domains
- ✓ Improve data quality and consistency
- ✓ Track sales performance across regions
- ✓ Analyse customer purchasing behaviour
- ✓ Monitor inventory levels
- ✓ Generate business KPIs for decision-makers
- ✓ Deliver Power BI dashboards with near real-time insights

### Technologies Covered

- Apache Spark
- PySpark
- Spark SQL
- Delta Lake
- Unity Catalog
- Databricks Workflows
- Git Integration
- AirFlow

### Project Workflow

Sources → ADLS → Bronze → Silver → Gold → Databricks Workflows → Power BI

## Section 4: Data Engineering Certifications

### Exam 1: Databricks Data Engineer Associate

- ✓ Exam Details
- ✓ Exam Dumps
- ✓ Scenario-Based Questions
- ✓ Practice Assessments

### Exam 2: Microsoft Databricks (DP-750)

- ✓ Exam Details
- ✓ Exam Dumps
- ✓ Scenario-Based Questions
- ✓ Practice Assessments

### Resume Highlights

After completing this module, you can confidently showcase experience in:

- ✓ PySpark & Spark SQL

- ✓ Delta Lake
- ✓ Medallion Architecture
- ✓ ETL Pipeline Development
- ✓ Data Quality & Validation
- ✓ Unity Catalog
- ✓ Automations, Optimizations

### Interview & Career Preparation

- 📁 End-to-End Real-Time Projects & Solutions
- 📊 100% Hands-on Practical Sessions
- 🎯 Interview Preparation
- 📋 Assignments & Practice Labs
- ★ 100% Practical • No Unnecessary Theory
- 🔗 Learn Like You're Working in a Real Company

**BUILD REAL SKILLS. WORK ON REAL PROJECTS. BECOME JOB READY.**



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