

# DILIP S V

## DATA ENGINEER

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### ABOUT ME

Results-driven Data Engineer with 2+ years of experience in building scalable ETL pipelines, web scraping solutions, and cloud-native data integrations using Azure and AWS services. Expertise in Python, SQL, and Spark, with strong focus on data automation, API ingestion, and reporting using Power BI. Proven ability to design robust data workflows using Azure Data Factory, AWS Glue, and S3-based pipelines. Adept at optimizing pipelines for performance, reliability, and business impact.

### PROFESSIONAL EXPERIENCE

#### ECOINSIGHT SOFTWARE BUILDING SOLUTIONS

JAN 2023 - PRESENT

##### DATA ENGINEER - 2+ YEARS

- Built automated data scraping solutions using Python, Selenium for supplier order tracking.
- Designed scalable ingestion pipelines on Azure Data Factory and integrated with Azure SQL & Blob Storage.
- Recently introduced AWS S3 and Redshift into hybrid-cloud workflows for batch data archiving and fast querying.
- Coordinated with cross-functional teams for data validation, automation triggers, and real-time dashboard delivery.

### PROJECT PROFILE

#### TRACK-IT 2.0 - ORDER DATA INTEGRATION PLATFORM

- **Tech Stack:** REST API, Azure Data Factory, Azure SQL, Power BI
- Designed and developed scalable data pipelines in Azure Data Factory for automated ingestion and transformation of order and tracking data from multiple vendors.
- Integrated REST API sources and implemented deduplication, error-handling, and parameterized pipeline triggers.
- Optimized SQL logic for incremental loads and used stored procedures for business rule transformations.
- Enabled real-time data access through Power BI dashboards and internal UI for operations and analytics teams
- **SUPPLIERS :** EATON,ACUITY,HAMMOND

#### TRACK-IT 1.0 - AWS-POWERED ETL AND WEB SCRAPING FRAMEWORK

- **Tech Stack:** Python, Selenium, AWS S3, AWS Glue, Redshift, Azure SQL (hybrid), Mozenda
- Engineered an automated web scraping framework using Selenium and Mozenda to extract structured order data from supplier portals.
- Refactored original ADF-based architecture to leverage AWS Glue Jobs for parsing and transformation.
- Stored intermediate scraped data in AWS S3 and performed batch loads into Redshift for analytics.
- Created a fault-tolerant system with retry logic, S3 triggers, and CloudWatch monitoring.
- **SUPPLIERS :** ABB ,COMMSCOPE ,LEGRAND ,COOPER ,SIGNIFY

#### TRANSACTIONAL DATA ETL AUTOMATION

- **Tech Stack:** REST API, Azure Synapse Analytics, Power BI
- Developed end-to-end ETL pipelines to ingest transactional data from third-party APIs and internal systems
- Utilized Azure Synapse for distributed data processing, data modeling, and advanced transformations
- Implemented metadata-driven ingestion, data deduplication, and anomaly detection logic using T-SQL and Synapse Notebooks
- Published curated datasets to Power BI for cross-team analytics and KPI monitoring

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## TECHNICAL SKILLS

- **Languages:** Python, SQL, PySpark, JavaScript (Basic)
- **Databases:** PostgreSQL, MySQL, SQL Server
- **Cloud Platforms:**
  - ♦ **Azure:** ADF, Azure Blob, Azure SQL, Synapse, Azure Monitor
  - ♦ **AWS:** S3, Redshift, AWS Glue, Lambda, CloudWatch
  - ♦ **GCP:** BigQuery, Dataflow – Basics
- **ETL & Workflow:** Azure Data Factory, Airflow, AWS Glue, SSIS, dbt
- **Web Technologies:** HTML, CSS, XPath
- **Web Scraping:** Selenium, Mozenda
- **Visualization:** Power BI, Tableau, QuickSight
- **Big Data & Storage:** Spark, Kafka (Basic), Azure Synapse, AWS Redshift
- **Gen AI Tools:** ChatGPT, Microsoft Copilot, OpenAI API, Hugging Face
- **Others:** Git, Docker, Linux, Excel, REST APIs, Pandas, NumPy, Excel, JSON/Parquet/CSV, Agile, JIRA

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## CERTIFICATIONS

- SDET Automation Testing Certification, Q Spiders.
- Python Certification, WsCube Tech.

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## EDUCATION

- BACHELOR OF ELECTRICAL AND ELECTRONICS ENGINEERING (EEE) 2017 – 2021,  
Vidya Vikas Institute of Engineering and Technology, Mysuru

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## AWARDS AND ACHIEVEMENTS

- Won the 'RISING STAR' award in the EcoInsight Annual Awards meet – 2023, for achievements in the DataScraping activities.
- Won the 'Top Performer' quarterly award – Q4, 2023.

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## DECLARATION

I hereby declare that the above information furnished is true to the best of my knowledge and belief.

**DILIIP S V**