Shijil Raj R R

Data Engineer

LinkedIn: www.linkedin.com/in/shijilraj

shijilshijil05@gmail.com

+91 9747355576

Kerala, India

SUMMARY

Data Engineer with over 3 years of experience specializing in cloud data solutions, data migration, and optimization. Skilled in Snowflake, dbt, Python, and SQL, with a proven track record of driving cloud migrations and optimizing ETL processes. Experienced in designing efficient data workflows, automating daily tasks using Python, and leveraging cloud technologies like Azure and Snowflake. A certified expert in Python, SQL, and Azure Fundamentals, recognized as a go-to resource for problem-solving and mentorship.

WORK EXPERIENCE

- **Specialist Programmer**   Oct 2021 – Present

  Infosys

  - **Cloud Migration and ETL Optimization**: Led a critical project to migrate on-premises servers to Azure, leveraging Informatica PowerCenter for ETL and converting Oracle queries to MS SQL, ensuring minimal operational disruption.
  - **Data Pipeline Development**: Developed data pipelines in Azure Data Factory for efficient data extraction and ingestion, transforming data with dbt for scalable and automated workflows.
  - **Snowflake Expertise**: Utilized Snowflake for data warehousing, leveraging its architecture for high-performance data storage and real-time analytics. Optimized queries and transformations using Snowflake's capabilities.
  - **Python Automation**: Automated multiple processes using Python, significantly reducing manual efforts and saving time in daily operations.
  - **CI/CD and Version Control**: Integrated CI/CD pipelines using Azure Repos and Git for efficient and continuous delivery of data pipelines and transformation workflows.
  - **Secure Data Management**: Implemented secure data workflows using Azure Key Vault for secrets management and Azure Blob Storage for handling large datasets.

EDUCATION

- **Indian Institute of Technology, Madras**   2024 – Present

  Bachelor of Science (B.Sc.) in Data Science and Applications (Part-Time)

- **Government Polytechnic College Neyyattinkara**   2018 – 2021

  Diploma in Electronics and Communications Engineering

CERTIFICATIONS

- **Microsoft Certified: Azure Fundamentals**: Microsoft
- **Python (Basic) and SQL (Advanced)**: HackerRank
- **Infosys Certified Spark Professional**: Infosys
- **Infosys Certified PySpark Professional**: Infosys
- **Database Management System**: Infosys
- **Data Build Tool Fundamentals**: dbt Labs

SKILLS

- **Programming**: Python, Dart, SQL, PySpark, Kafka
- **Database Technologies**: SQL, Snowflake, MySQL, MongoDB, Hive
- **ETL Tools**: Informatica PowerCenter, SAP BODS, Azure Data Factory, dbt
- **Cloud Platforms**: Azure (Data Factory, Cosmos DB, Databricks, Data Lake)
- **Version Control**: Git, Azure Repos
- **Automation**: Azure Durable Functions, Python scripting

PROJECTS

- **Cinema Pranthan**: A Flutter app for movie information. PlayStore: https://play.google.com/store/apps/details?id=com.shijil.cinemapranthan
- **IP Calculator**: Python tool for subnet and IP calculations. GitHub: https://github.com/Sh-Jil/IPcalculator
- **Money Manager**: Flutter app to track income and expenses. GitHub: https://github.com/Sh-Jil/Money-Manager
- **STG Makeathon Project**: Developed an AI Document Extractor using Google AI Studio to classify and extract documents, using GPT API for answering queries.

AWARDS ACHIEVEMENTS

- **Infosys Insta Award**: Recognized for exceptional performance and being a go-to problem solver for technologies such as ADF, Snowflake, and dbt.