

Solomon Raj Panduga

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EDUCATION

State University of New York at Buffalo, New York

2022 - 2024

M.Sc, Computer Science

- Master of Science in Computer Science

Karunya Institute of Technology and Sciences

2016 - 2020

B.Tech, Computer Science and Engineering

- Bachelor of Technology in Computer Science

EXPERIENCE

Accenture, Hyderabad, India

July 2020 - June 2022

Software Engineer - Data Warehousing

Hyderabad, India

- Software Engineer with 2 years of experience in Data Engineering with Azure. Proven ability to design, develop, and implement data engineering solutions, algorithms, and pipelines that improve data quality, accuracy, and accessibility—expertise in Azure cloud, SQL, Spark, Databricks, Pyspark, Snowflake, Airflow, DBT and other big data technologies.
- Responsibilities:
 - Design and develop custom spark code for analytics and processing big data (EMR data) in Databricks. Snowflake and SQL - data cleaning, data transformation and data ingestion pipelines in Azure ADF.
 - Implement custom solutions and algorithms in Azure Databricks using SQL and PySpark integrated with other cloud technologies. Develop and design Data Pipeline using ADF, Kafka, MongoDB and Azure stream analytics
 - Handle streaming data; Performance tuning to handle real-time processing of big data.
 - Migration from SSIS to Azure Databricks, optimize spark for handling terabytes and data processing and real-time data processing.

CERTIFICATION:

DBT Fundamentals - [Verification](#), Airflow fundamentals certified - [Verification](#), Azure DP-900

COMPLETED PROJECTS

Earthquake Events - Data Engineering project

- Data stack: DBT - transformations, Snowflake - data warehouse, Azure ADF - daily auto data ingestion, Tableau - visualization
- ADF ingests daily data to Snowflake, CDC implemented in DBT on schedule transforms and upserts data to snowflake
- Tableau Dashboard on final data - <https://public.tableau.com/app/profile/solomon8607/viz/EarthquakeEvents/Dashboard1>

Buffalo Housing Realty - Data engineering project

- Data Engineering project built with Databricks, Azure blob storage, Azure SQL database and Tableau.
- Realty data is extracted using web scraping from Zillow, Redfin and Realty.com. Data is then cleaned and ingested further by Databricks to Azure, Tableau picks up the data and updates the dashboard.
- Dashboard - https://public.tableau.com/app/profile/solomon8607/viz/Book1_17097820994780/Story1

Tableau dashboard for SUNY Institutions

- Data visualization using open datasets available for SUNY at <https://data.ny.gov/>
- Dashboard with visualizations and filters.
- Dashboard live - <https://public.tableau.com/app/profile/solomon8607/viz/SUNYdata/Dashboard1>

Social Media NFT Dapp:

- A social media decentralized app to upload photos built as a part of the Master's Blockchain course tech stack - ReactJS, Javascript, Hardhat, and nft.storage. Each uploaded image is an NFT created; the app also recognizes duplicate images on the site using bit comparison and appreciates/depreciates the NFT value based on uniqueness.
- Web app - <https://bcd.pevsr.com/>

CLI tool - Self-Describing Digital Assets for Enterprise Neurosystem:

- A catalog for self-describing assets built on GitHub CLI using python
- Which helps in the collaboration and sharing of digital assets across academia, industry government labs, etc.
- Project repo - <https://github.com/ramchandra-ub/gh-digitalassets>

SKILLS: React, React Native, Javascript, Elastic Search, Airflow, UI/UX, Python, PySpark, Spark, SQL, DBMS, HTML, Javascript, PHP, Shell Script (Unix/Linux), Familiar with Keras, TensorFlow, Deep Learning, and Machine Learning. Flutter, Django.