

Solomon Panduga

716-416-8033 | solomonraj11@gmail.com | [linkedin.com/in/solo11](https://www.linkedin.com/in/solo11) | [Portfolio](#) | github.com/solo11

EDUCATION

University at Buffalo, SUNY

Master of Science in Computer Science

Buffalo, NY

Aug. 2022 – Feb 2024

Karunya University

Bachelor of Science in Computer Science,

Tamil Nadu, India

Aug. 2016 – May 2020

CERTIFICATIONS

Databricks Certified Data Engineering Associate - [Verification](#)

DBT Fundamentals - [Verification](#)

EXPERIENCE

Software Engineer (Data Warehousing)

Accenture

Nov 2020 – July 2022

Hyderabad, India

- Designing and implementing data engineering solutions and pipelines on Azure cloud
- Developed ETL pipelines using SQL, Spark, Databricks, Snowflake, Airflow, and DBT. Streaming pipelines using Kafka, MongoDB and Azure stream analytics
- Developed custom analytical algorithms in Databricks and Snowflake
- Managed data migration projects from SSIS to Azure Databricks
- Optimizing Spark query performance for terabyte-scale data processing and real-time data handling

PROJECTS

Earthquake Events - Data Engineering Project | *DBT, Snowflake, Azure ADF, SQL, Tableau*

- Used DBT for transformations, Snowflake for data warehousing, Azure ADF for automated data ingestion, and Tableau for visualization.
- Implemented CDC in DBT for scheduled transforms and upserts to Snowflake, resulting in a dynamic Tableau dashboard for comprehensive data insights. [View dashboard](#)

Buffalo Housing Realty - Data Engineering Project | *Databricks, Web Scraping, Azure blob, Azure SQL, Tableau*

- Data visualization using open datasets available for SUNY at <https://data.ny.gov/>
- Dashboard with visualizations and filters, analyzing the enrollment data for diversity and demography [View dashboard](#)

Tableau dashboard for SUNY Institutions | *SQL, Tableau*

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- Dashboard with visualizations and filters, analyzing the enrollment data for diversity and demography [View dashboard](#)

Social Media NFT Dapp | *Full stack, React, Blockchain*

- A social media decentralized app to upload and share photos using - 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 - [View web app](#)

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

Python, CLI Tool, GitHub CLI, GitHub extension

- Joint solution with IBM simplifies digital asset management and cross-organization sharing. Leveraging self-describing metadata and categorized tags, it streamlines searching and collaboration. Built on GitHub CLI, it ensures a seamless user experience, prioritizes security, and scales effectively
- Aids in collaborating and sharing digital assets across academia, industry government labs, etc. - [Project repo](#)

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, NoSQL JavaScript, HTML/CSS, Shell Script

Frameworks: Databricks, Spark, DBT, Snowflake, Tableau, Azure cloud, Airflow, SSIS, Power BI, MongoDB, Google collab, React, Node.js

Developer Tools: Git, Docker, Azure Cloud, AWS, VS Code, Visual Studio, Jupyter Notebook