# HEMANTH PARASARA M

**PROCESS ANALYST**

## PROFILE

Highly skilled Snowflake Developer with 4 years of experience in ETL development and SQL programming. Proven track record of success in leveraging Snowflake's features in conjunction with AWS to deliver efficient and scalable data solutions. Seeking opportunities to contribute my expertise to a dynamic team and drive innovation in data management.

## CONTACT

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MoguIrajpuram,
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## EDUCATION

**M-Tech in Computer Science**
V R Siddhartha Engineering College
2015 - 2017

**B-Tech in Electronics & Instrumentation Engineering**
V R Siddhartha Engineering College
2011 - 2015

## PROFESSIONAL SUMMARY

- 2+ years of hands-on experience with Snowflake utilities such as SnowSQL, SnowPipe, Tasks, Streams, Time travel, Optimizer, Metadata Manager, data sharing, and stored procedures.
- 2+ years of experience in writing SQL queries against Snowflake Developing scripts in Unix, Pyspark, etc. to Extract, Load, and Transform data
- In-depth understanding of Data Warehouse/ODS, ETL concept, and modeling structure principles
- 4 years of Experience in Data warehousing concepts - OLTP, OLAP, Dimensions, Facts, and Data modeling.
- Experienced gathering and analyzing system requirements
- Good working knowledge of on ETL tool Informatica
- Familiarity with data visualization tools Tableau and Power BI
- Ability to effectively function in a cross-team environment
- Good experience in working with the AWS Data ecosystem

## PROFESSIONAL EXPERIENCE

**Process Analyst | Project - #1**
Accenture | Mar 2021 - April 2023

**Project overview**

Migrating data from S3 to Snowflake for analytical and real-time reporting in PowerBI. Automating data moment by building multiple pipelines and orchestrating tasks to generate real-time reporting. Transforming and modeling the data for seamless and quick access to different business requirements and maintenance.

## TOOLS

- Snowflake
- Spark
- Amazon Web Services(AWS)
- Airflow
- Informatica
- Power BI

## LANGUAGES

- SQL
- Python
- Linux shell scripting

## KEY SKILLS

- Snowflake Data Warehousing
- AWS (Amazon Web Services)
- SQL Development and Optimization
- ETL (Extract, Transform, Load) Processes
- Data Modeling and Database Design
- Performance Tuning and Query Optimization
- Data Integration and Migration
- Agile Project Management
- Team Collaboration and Leadership

### Roles and Reponsibilities

- Spearheaded data integration projects using Snowflake, AWS, and ETL tools to develop efficient, scalable, and robust data pipelines.
- Proficiently implemented Slowly Changing Dimensions (SCD) Type-1 and Type-2 methodologies, ensuring accurate historical tracking of changes in dimension tables and preserving data integrity.
- Transformed complex business logic into SQL queries and optimized database performance to enhance data retrieval and processing speed.
- Utilized Snowflake's capabilities such as snow pipe, tasks, streams, multi-cluster warehouses, time travel, and zero-copy cloning to streamline data operations and improve resource utilization.
- Conducted performance tuning and optimization of SQL queries, leading to a 30% decrease in query execution time.
- Conducted unit testing of ETL processes, meticulously validating data transformations and ensuring the accuracy and completeness of data loaded into target tables. Also leveraging snowflake information_schema for data validations

### Process Associate | Project - #2
Accenture | Mar 2019 - Feb 2021

### Project overview

Migrating data for Bad Actor Analysis report to Redshift via S3. Using Pyspark and AWS serverless services to extract the data from S3 buckets, transforming them into Required business logic, and moving the data to amazon redshift target tables

### Roles and Reponsibilities

- Utilized PySpark for data extraction from S3 buckets,
- Designed and implemented AWS serverless services, such as AWS Glue and AWS Lambda, to orchestrate and automate the ETL processes.
- Developed complex data transformation pipelines using PySpark, applying custom business logic to prepare data for analysis and reporting, and ensuring adherence to industry best practices.
- Leveraged Amazon Redshift Spectrum to optimize query performance and manage large-scale data analysis without the need for extensive data movement, resulting in faster insights generation and reduced operational costs.
- Ensured data accuracy and consistency by implementing data validation and error handling mechanisms throughout the ETL process, reducing data discrepancies and enhancing overall data quality.
- Conducted thorough testing and performance tuning on ETL processes, identifying and resolving bottlenecks to achieve optimal processing speeds and resource utilization.