

BHARATH RAM

DATA ENGINEER

SUMMARY

With a comprehensive IT background spanning 12 years, I bring over 4 + years of dedicated experience as a data engineer. Proven expertise in **AWS Services**, **PySpark**, **ETL** processes, **Python**, and **SQL**, demonstrating a proficiency in crafting robust data solutions and leveraging advanced technologies for optimal results.

EXPERIENCE

DATA ENGINEER

IOPEX TECHNOLOGIES

Feb 2021 - Oct 2022

- Proficient in Data Engineering using **SQL**, **Python**, and **PySpark**, specializing in Big Data technologies, **ETL** processes, and **AWS Cloud services**.
- Utilized standard Python modules such as **AWS Boto3**, **Pandas**, **NumPy**.
- Extensive experience with various **AWS services** including **IAM**, **CloudWatch**, **S3**, **Lambda**, **Glue**, **Redshift**, **SNS**, **EC2**, etc.
- Wrote Python code for data ingestion into pipelines using **AWS Lambda**.
- Developed ETL pipelines using **Spark Data Frame** operations on **AWS Glue** for seamless **data ingestion** from Source to Target Systems (**S3** to **Redshift**).
- Conducted data analysis using **Redshift** and implemented copy and unload commands to process data in **Redshift**.
- Application development experience in health and public service domains, involving **SQL database** programming.
- Implemented **PySpark** for distributed data processing, enabling parallel execution and scalability.
- Utilized **PySpark's DataFrame** API for efficient manipulation, transformation, and analysis on large datasets.
- Leveraged **Pandas** for efficient data transformation and preprocessing, enhancing **ETL pipeline** performance.
- Utilized Snowflake for efficient data warehousing, enhancing scalability and performance in **ETL workflows**.
- Designed and optimized **ETL processes** using **PySpark** to handle diverse data sources and formats.
- Implemented **PySpark** transformations for enhanced overall data processing performance.
- Developed **PySpark** scripts for data cleansing and enrichment, ensuring data quality and consistency.
- Added few new features to existing file ingestion framework

CONTACT

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EDUCATION

BACHELOR OF COMPUTER APPLICATION
UNIVERSITY OF MADRAS
2004

SKILLS

SQL

Python

Pandas

NumPy

Snowflake

Pyspark

AWS S3

AWS Lambda

AWS SNS

AWS Cloudwatch

AWS Glue

AWS Athena.

Web scraping

Tableau

Power BI

MANAGER

OK DOLLAR INTERNET WALLET MYANMAR LTD - YANGON

Apr 2019 - Feb 2020

- Developed and implemented data governance frameworks and maintained scalable data (for ETL process)
- Overseeing and ensuring data quality and Developed **ETL (Extract, Transform, Load)** processes for efficient data integration.
- Implemented **data pipelines** to ingest, process, and store large datasets.
- Ensured data quality and integrity through effective data governance practices.
- Designed and maintained scalable data architectures.
- Taking care of data-driven culture within the organization
- Conduct regular audits and assessments to monitor and improve data governance processes.
- Collaborated with cross-functional teams to implement **PySpark** solutions aligned with business requirements.
- Stayed updated on PySpark best practices and optimizations, contributing to continuous workflow improvement.
- Spearheaded the development of efficient ETL processes, optimizing data integration workflows.
- Mentored and provided technical leadership to junior data engineers, fostering a collaborative team environment.
- Implemented and managed **data pipelines**, ensuring reliable and timely delivery of data to downstream applications.
- Utilizing strong data knowledge and leading to quick defect analysis and resolutions.

ASSISTANT MANAGER

WIPRO LTD

Oct 2018 - Mar 2019

- Managed and maintained large-scale data infrastructure, ensuring high availability and performance.
- Worked closely with stakeholders to understand business goals and align data engineering efforts accordingly.
- Contributed to the development of data engineering standards and best practices within the organization.
- Collaborated with data scientists and analysts to design and implement data solutions supporting advanced analytics and reporting.
- Evaluated and integrated emerging technologies and tools to enhance data processing capabilities.
- Actively participated in the recruitment and onboarding of new data engineering team members.
- Established and maintained documentation for data engineering processes, ensuring knowledge transfer and team continuity.
- Collaborated with cross-functional teams to define data strategy and align data initiatives with organizational objectives.

SME (SQL,PYTHON)

ACCENTURE PVT LTD (Bangalore)

May 2015 - Jun 2017

- Utilized SQL for querying and manipulating data from relational databases to extract meaningful insights.
- Applied Python to develop scripts for data analysis, automation, and integration with SQL databases.
- Assisted in database design tasks, contributing SQL expertise to optimize data structures.
- Contributed to data validation and quality assurance processes, ensuring accuracy through a combination of SQL queries and Python scripts.
- Supported end-to-end data workflows by integrating Python scripts with SQL databases for seamless data processing.
- Participated in performance tuning and optimization activities, employing both SQL and Python to enhance database efficiency.
- Developed and maintained documentation for SQL and Python scripts, ensuring knowledge transfer within the team.
- Engaged in troubleshooting and resolving data-related issues, demonstrating proficiency in both SQL and Python debugging.
- Applied Python libraries, such as pandas and NumPy, for advanced data manipulation and transformation tasks.

SCOPE INTERNATIONAL (SCB) Sep 2007 - Oct 2014

DECLARATION

I DO HEREBY DECLARE THAT THE PARTICULARS OF INFORMATION AND FACTS STATED HERE IN ABOVE ARE TRUE, CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.