

Abhishek Kumar Singh

Senior Data Engineer

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Profile

Solution-focused and data-driven Senior Data Engineer with 7+ years of experience in IT, including 4 years in ETL development and 3 years as a Data Engineer. Seeking opportunities to leverage my expertise in Big Data technologies, ETL processes, and Spark-Scala to drive data-driven insights and solutions.

Professional Experience

Sep 2019 – present

Bangalore, India

Carelon Global Solutions, Senior Data Engineer

Project: DSH HMC [Healthcare Management Corp.]

Project Description:

At Carelon Global Solutions, I had the privilege of working on the DSH HMC (Healthcare Management Corp.) project, a critical initiative aimed at transforming healthcare management and data-driven decision-making for the US healthcare sector.

Roles & Responsibilities:

- Responsible for gathering and understanding project requirements.
- Hands-on experience in developing Spark applications using Spark Core and Spark SQL.
- Implemented Spark-based job, involving data storage in HDFS and Hive, followed by downstream processing.
- Designed and implemented real-time pipelines for efficient daily membership and group data handling.
- Proficient in SQL, and database management system implementation.
- Developed and optimized data pipelines using Spark Scala, facilitating efficient data loading, transformations, and storage.
- Ensured data availability for reporting by the reporting team.
- Enhanced the performance of existing Spark pipelines through code optimization and big data performance tuning techniques.
- Conducted in-depth analysis to identify and resolve code defects, reducing downtime and minimizing monetary loss.
- Strong understanding of Spark-Scala concepts and SQL for data analysis.

- Worked on AWS EMR for scalable big data processing, S3 Bucket and Athena

Jun 2016 – Aug 2019
Bangalore, India

Tata Consultancy services, System Engineer

Projects Description: ODS CTB (Client: Deutsche Bank)

Project Description:

During my tenure at Tata Consultancy Services, I was involved in a critical project known as ODC CTB (Operational Data Centre - Change the Bank) for Deutsche Bank. The project primarily focused on enhancing and optimizing data operations within the bank, particularly in the context of investment banking.

Roles & Responsibilities:

- Managed investment banking modules for Deutsche Bank, handling live transactional data.
- Designed and implemented end-to-end ETL pipelines using Informatica, SQL, and Shell script.
- Developed complex Informatica mappings and deployed them in production.
- Created SSIS packages to transform and load data into the target system.
- Wrote multiple stored procedures.
- Worked with various data sources/interfaces and ensured data compatibility.



Skills

Bigdata Technologies

Apache Spark, Scala, HDFS, Hive, Yarn

ETL Tools

Informatica, SSIS

Database/RDBMS

SQL Server, Hive, Basics of snowflake

Programming Language

SQL, Scala

Version Control Tool

Bit-Bucket

Shell Scripting

Data Warehouse Management

Data Analysis and Code Optimization



Education

Jun 2015
Chennai, India

Dr. MGR Educational and research institute University,
B Tech, Electronics and Communication Engineering

2010

RPM Intermediate College, *Intermediate*

Madhepura, India



Certificates

- Completed Bigdata
Master program from
Trendy Tech



Languages

English

Hindi



Interests

- Outdoor games
- Gardening
- Reading about new
Technology and
Innovation