

Ragunandh A
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PROFESSIONAL SUMMARY

- ❖ Big Data Developer with over 3 + years of experience in big data analytics and development which includes HDFS, Hive, Sqoop, Apache Spark, AWS.
- ❖ Developed Spark applications to facilitate distributed data processing.
- ❖ Established and managed RDDs (Resilient Distributed Datasets) for effective data transformations.
- ❖ Demonstrated proficiency in developing and executing Spark RDD-based data processing workflows utilizing Scala within the Hadoop framework.
- ❖ Applied optimization techniques and conducted performance tuning to enhance efficiency.
- ❖ Familiarity with Spark Data Frame APIs and SQL syntax and ability to write complex SQL queries and Data Frame operations to solve business problems.
- ❖ Expertise in creating and administering Hive tables, encompassing managed, external, and partitioned tables.
- ❖ Managed Hive partitions and buckets in alignment with specific business requirements.
- ❖ Hands-on experience in managing Hive schema evolution using the Avro file format.
- ❖ Configured Sqoop jobs for incremental data transfers, leveraging Sqoop's incremental import feature.
- ❖ Proficient in utilizing Sqoop to import and export data across various file formats like CSV, Avro, and Parquet.
- ❖ Maintained and monitored Spark clusters on AWS EMR, ensuring high availability and fault tolerance.
- ❖ Designed and developed batch processing data pipelines on Amazon EMR using Apache Spark, Python, and Scala to process terabytes of data in a cost-effective and scalable manner.
- ❖ Collaborated effectively within teams, adept at conveying intricate technical concepts related to Spark, thereby fostering knowledge dissemination and problem-solving across projects.

TECHNICAL SKILL

Data Eco System	:	Hadoop, Sqoop, Hive, Apache Spark, Databricks
Cloud Skills	:	AWS, Azure
Databases	:	MySQL
Languages	:	Scala, SQL, Python
Data Visualisation	:	Microsoft PowerBI
Operating Systems	:	Windows

PROFFESIONAL EXPERIENCE

CLIENT : Urban Ladder

June 2021 – present

Project Role : Big data Developer

Responsibilities:

- ❖ Designing, creating, implementing and maintaining big data applications.
- ❖ Conducted code reviews and maintained coding standards.
- ❖ Created custom Spark applications for specific business use cases.
- ❖ Optimized Spark jobs for memory and CPU utilization.
- ❖ Developed data validation and quality checks in Spark pipelines.
- ❖ Implemented Spark job monitoring and alerting.
- ❖ Collaborated with data stewards to ensure data governance.
- ❖ Created Spark jobs for recommendation systems.
- ❖ Implemented Spark on Kubernetes for containerized deployments.
- ❖ Experienced in designing efficient data models using Hive tables and partitions to optimize query performance.
- ❖ Expertise in querying Hive tables using SQL-like syntax and performing data analysis using tools like Apache Spark.
- ❖ Skilled in integrating Hive tables with other big data technologies, such as Hadoop, HBase, and Impala.
- ❖ Familiarity with Hive metastore and its role in managing table metadata and schema evolution.
- ❖ Knowledge of Hive table formats, including ORC, Parquet, and Avro, and their advantages and disadvantages for different use cases.
- ❖ Strong understanding of Hive table partitioning strategies, such as range, hash, and list partitioning, and their trade-offs in terms of query performance and data distribution.
- ❖ Ability to troubleshoot common issues with Hive tables, such as data skew, table corruption, and query optimization.s

Technologies: Hadoop, Hive, Sqoop, spark

WORKING EXPERIENCE

- ❖ ADIEL TECHNOLOGIES PRIVATE LIMITED, Chennai ---- June 2021 – Oct 2022
- ❖ ADIEL TECHNOLOGIES PRIVATE LIMITED, Chennai ---- Feb 2023 – Till Date

EDUCATION

COLLEGE	DURATION	CGPA
SASTRA DEEMED TO BE UNIVERSITY, THANJAVUR.	2019-2021	7.02/10
BHARATH COLLEGE OF SCIENCE AND MANAGEMENT, THANJAVUR.	2014-2017	6.56/10