

S JAYARAMAN

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Objective

Big Data Engineer with 3+ years of experience in executing data-driven solutions to increase efficiency, accuracy, and utility of internal data processing. Experienced at Hadoop Components, Hadoop administration & analysing data mining to deliver insights and implement action-oriented solutions to complex business problems. Looking for the opportunity to utilize my knowledge and skills to manage statistical & data-related solutions at the organization.

Skills & Abilities

SKILLS

- Proficiency in Hadoop Environment like HDFS, MapReduce, Pig, Hive, HBase, Presto DB, Spark & Scala, Apache Superset, Grafana, Apache Kafka, CCD, Hortonworks, Ambari, Apache Druid.
- ETL tools: Talend Data Integrations with Big Data.
- Data Visualization & BI tools: Tableau, Apache Superset & Grafana.
- Cloud Environment: Azure fundamentals & Azure data lake.
- Building Multiple Node Clusters & Hadoop Adminasations.

SOFTWARE

- Good command over the analytics software like Python, Apache Hadoop, Apache Spark

PROGRAMMING

- Hand on experience in the programming languages like Python, Scala

Education

B. TECH Computer Science & Engineering

JNTUH UNIVERSITY

2013 – 17

Work Experience

Big Data Engineer

Netstratum Technologies., Ernakulam, Kerala

15 June 2020 – till date

ROLES AND RESPONSIBILITIES:

- Providing business solutions to client/stakeholders
- Report best fit model for further business decision making
- Pre-model talk and preparation for model building
- Responsible for the pre-model data preparation through EDA process
- Strong Analytics Knowledge, Innovative thinking to extract new meaningful and actionable features from data.
- Responsible for best solutions selection best on the type of data
- Have a keen desire to solve business problems and find patterns and insights within structured and unstructured data
- Passionate about working on large data sets and able to communicate high valued solutions to business stakeholders.
- Team player who can successfully lead and motivate cross-functional teams.

Projects:

Hoolva Transform Communications Analytics:

Hoolva conference business solutions

PROJECT DESCRIPTION: HOOLVA IS A BUSINESS SOLUTIONS AND COMPETE IN VIDEO CONFERENCING.

- We deal with Hoolva Video conference Data logs which are a large set of unstructured data logs.
- We use Big data components in Hoolva analysing the data logs hoolva meetings which takes part in live meetings around the different part of countries.
- We use Big data Components like framework Spark Structure Streaming, Databases HDFS & Hive on top of Hive we use presto DB (Distributed SQL Query Engine for Big Data). Kafka is used for continuous Streaming messages from backend sources.
- The Hoolva data flows continuously which streams the data 24/7 The interface used between logs and data flow is Apache Kafka.
- Through the flow of Kafka messages, we use Spark Framework to pull data from Kafka.
- Spark used for structure the unstructured data from Kafka messages convert that message into structure data.
- Spark pulls the data from Kafka into structure & Streams the data continuously using spark Streaming continuously.
- Spark Streaming pushes the data to HDFS & Hive for storing the data.
- Spark sends data to Apache Druid For analysing.
- Hive is used for providing data query and analysis given to business & stakeholders.
- On Top of Hive we use presto DB (Distributed SQL Query Engine for Big Data).
- Now, the Finally Hoolva Dashboard is represented by using Apache Superset.
- Representation of Apache Superset states like no. of meetings on a day or month etc.
 - **Tools used:** -Kafka & Hadoop, Hive, Presto dB
 - **Techniques used:** - Spark Structure Streaming & Apache Druid.
 - **Data visualization:** - Apache Superset, Grafana.

Voifinity cloud-based solutions

ROLES AND RESPONSIBILITIES:

- Understanding the data and knowledge of the study
- Identifying patterns and association among variables
- Data management and clarifying data related issues.
- Providing business solutions to stakeholders

PROJECT DESCRIPTION: VOIFINITY CLOUD-BASED SOLUTIONS & FINDING OF UNAUTHORIZATION OF VOICE CALLS IN VOIFINITY CLOUD

- Vofinity Cloud, we collect data from the cloud which we transform into an insight dashboard.
- We collect unstructured data & monitor data.
- After collecting pre-modelling data, follow the data mining in unstructured.
- Unstructured data transformed into structured data.
- Spark is used as a framework to convert unstructured into structured data.
- Pulling data, we use programming language Python to stream into Spark Streaming.
- Python Kafka is used in terms of flowing of data from main cloud based.
- Spark pushes streaming data to HDFS & Hive for storing data.
- MySQL server is used as the main storage for vofinity cloud.
- Time Series Grafana & Apache Superset is used as Data Visualizations
 - Tools Used: - Apache Kafka, Python
 - Framework: - Spark Streaming
 - Data Warehouse: - Hive
 - Data Storage: - Hadoop & HDFS
 - RDBS: MySQL

- Data Visualizations: - Time Series Grafana, Apache Superset.

Data Engineer

Vayam info solutions., Hyderabad

15 March 2018 – 30 March 2020

Projects

Project:1: Details: Agent sales and performance analysis:

- Collecting data about number of sales from every agent.
- Cleaning and manipulating the data using tableau.
- Analysing agent wise sales by creating dashboard on tableau.
 - Environment: Tableau

Project:2: CPLDW using Big Data

Description: CPLDW is the project where all BNI insurance products and customer sensitive information will be available. The main motivation behind the Hadoop environment is to maintain integrity, data consistency and gather sufficient test data for Predictive analytics. To collect the Different files from different databases and process the data. Final ETL processed files will be loaded into a HDFS to make it available to the cluster for further process. Also, the Handling of streaming data by using Kafka with Spark integration.

Responsibilities:

- Requirements gathering and analysis.
- Analysed design & functional documents.
- Performance analysis of project, identifying different areas where performance is impacted providing value added suggestions for performance enhancement and implementing them.
- Identifying and Importing tables from legacy system to HDFS using Spark.
- Data processing by creating RDD and data frame in spark core
- Developed Spark SQL statements for processing data
- Handle streaming data by using Kafka with Spark Integration
 - Environment tools used: Spark, Kafka, Hdfs, Hive