

Lipika Arora

41-C SFS MIG DDA Fats, Motia Khan,
New Delhi- 110055

E-mail: lipika.ratra@gmail.com

Phone:+91-9873423208

Senior Software developer: Impetus

SUMMARY

- Experience in Spark SQL with data frames.
- Expertise in data migration from Teradata to Spark SQL
- Experience of analytics using Elasticsearch.
- Developed spark jobs for real time analytics using Apache Kafka, Pythons, Spark Streaming using Java
- Good experience of working on distributed file systems and writing map reduce jobs.
- Experience in data migration from Oracle to Spark.
- Experience of capturing logs from Logstash and processing them using Spark.
- Strong experience of working on different Hadoop distributions (Cloudera, HortonWorks)
- Experience in transferring data from RDBMS to HDFS using Sqoop.
- Very good experience in complete project life cycle (Design, Development, Testing and Implementation) of client web server and web applications.
- Experience in using Agile approaches including extreme programming, test-driven development and Agile scrum.
- Worked in large and small teams for system requirement, design and development.
- Preparation of standard code guidelines analysis and testing documentation.
- Expertise in cloud-based tool Foundry developed by Palantir

TECHNICAL SKILLS

Programming Languages	JAVA 8, Python, Scala
Big Data Technologies	Spark Core, Spark SQL, Spark Streaming, MapReduce Programming, HIVE, HDFS, Sqoop, Kafka, Hadoop
Tools Used	Eclipse, Foundry, SVN, Git, SonarQube, Anaconda
Databases	SQL Server, HBase, Elasticsearch, Oracle
Operating System	Windows, Linux, Unix
Cloud Technologies	AWS, Palantir Cloud

PROJECT DETAILS

Company: Impetus

Aug 2018 to Present

Project: American Express

Module: Network Modernization (NEMO) NTR

Aug 2020 to Present

Nemo team of American Express is responsible for managing all the credit card data that comes to Amex network. All that data is ingested using Kafka and then inserted in different databases where further analysis is done

Technologies used: Java 8, Python, Pyspark, Hadoop, Kafka, Cassandra, Jenkins

Responsibilities:

- Ingest data using Kafka topics into the system
- Create the logic to handle 1 million requests per second using Kafka
- Insert the data in Cassandra after applying business logic in Java
- Deploy the service using Kubernetes job
- Understanding and analysis of various financial and non-financial messages

Project: United Airlines

Description: United Airlines is a major American airline that operates a large domestic and international route network, with an extensive presence in the Asia-Pacific region

Module: Airframe Analytics

Oct 2019 to Apr 2020

All the aircrafts of UAL have some maintenance activities to be performed, these activities are either performed by UAL or some hired vendor.

Some cost is incurred on each flight for the maintenance. We are basically forecasting the budget for future maintenance activities by observing last year and current year's maintenance and cost.

Technologies used: Spark SQL, Spark Core, Python, Cloud, Hive, HDFS, PySpark, Foundry (Palantir)

Responsibilities:

- Automate manual process of budget forecast using Spark SQL
- Convert excel formulas to Spark transformations
- Process the data using RDDs and data frames

Module: ERP (Enterprise Resource Planning)

Aug 2018 to Sep 2019

United Airlines had all its resource planning data in Teradata and they wanted to migrate it to Palantir, process it using Spark SQL and ultimately migrate it to Postgress for further analysis.

Technologies used: Spark SQL, Python, Cloud, Hive, PySpark, HDFS, Foundry (Palantir)

Responsibilities:

- ERP Migration using ETL
- Migration of data from Oracle to Spark
- Converting Teradata scripts to Spark SQL
- Cleansing raw data to clean data
- Performing incremental updates

Company: Dainik Bhaskar(DB Digital)

Oct 2017 to Aug 2018

Description: DB Digital is the largest Hindi news website. It is the digital arm of Dainik Bhaskar Group has six digital portals in four languages, Hindi, English, Gujarati and Marathi. The websites are with their respective mobile applications and WAP Sites.

Technologies used: MapReduce, Elasticsearch, HDFS, Spark, Java 8, Kafka

Responsibilities:

- Create Rest Client API with Elasticsearch.
- Data ingestion using Kafka.
- Write MapReduce jobs.
- Data analysis using Elasticsearch.

Company: Global Logic

Jul 2013 to Sep 2017

Project: Telarix

Description: Telarix is a US-based vendor of Business Support System (BSS), such as interconnect settlement and least-cost routing to global telecom market. It provides solutions for Billing, Routing, Trading for telecom vendors and also generates PDI reports for KPIs (Key Performance Indicators).

Module: Next Gen KPI Development

May 2015 to Sep 2017

Technologies used: MapReduce, Hive, Sqoop, HDFS, Spark, Java, Kafka, Hadoop

Responsibilities:

- Writing MapReduce jobs.
- KPI development using Spark Streaming.
- Data extraction from RDBMS to HDFS using Sqoop.
- Performance analysis with parameter tuning
- Published KPI results

Module: iXLink Bill Receipt and Price List

July 2013 to Apr 2015

Technologies used: OCR tools, C# Macros and MS SQL 2008.

Responsibilities:

- Business domain and solutions knowledge of Telecom sector.
- Collecting and Understanding client's business needs and providing optimal solution.
- Communicated with the clients and project managers and served as first point of contact for information to the clients.
- Used to run procedures and jobs on database to extract requested information for a client for audit purposes.
- Performing root cause analysis at database level for any data discrepancy at front end.

TRAINING & CERTIFICATIONS

Apache Hive	Online Big Data University (IBM)
Apache Spark	Online Big Data University (IBM)
MapReduce	Online Big Data University (IBM)
Core Java & JEE	NIIT Technologies

TECHNICAL EDUCATION

Degree	University	Year of Passing
Master of Computer Applications	G.G.S.I.P. University	2013
Bachelor of Science(Honors) Computer Science	Delhi University	2010

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Lipika Arora