

DIPTYADEEP ROY

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OVERVIEW

- Having **3years 4months** of total experience in the areas of software development in Java and Scala in Hadoop environment.
- Having hands on experience in Spark with Scala.
- Having hands on experience on Hadoop, HDFS, Sqoop and Hive on Hortonworks & Google Cloud.
- Having hands on experience in developing web applications using Java with Play MVC Framework.
- Enthusiastic, quick learner and a good team player.

PROFESSIONAL EXPERIENCE

- Currently associated with HCL Technologies as Senior Software Engineer since Oct'14.

SKILL SET

- **Big Data Technologies:** HDFS, Hive, Sqoop, Spark, Kafka
- **Programming Languages:** Java, Scala
- **Scripting Languages:** Bash
- **Frameworks:** Play 1.x MVC, Akka 2.4.x
- **Version Control:** SVN, Git
- **Platforms:** Windows, Linux
- **Environment:** Hortonworks, Google Cloud

WORK HISTORY

1. **Client** : Retail Major US
Period : Feb'17 - Till date
Team Size : 3

Project Details:

Develop a highly scalable analytics platform for fast data ingestion and transformation of network logs over UDP/TCP protocol. This platform can adapt to the speed of the business by providing relevant, accessible, timely, connected and accurate security data.

Responsibilities:

- Designed and developed **Akka** system which speaks with its components.
- Developed **UDP/TCP to Kafka** bridge in scala-akka framework.
- Developed **Kafka** consumer for persisting ingested data to Google Storage and Elasticsearch using **spark streaming and scala**.
- Performance tuning of akka system and spark job.
- Created a parser for various log vendors and send output to Elastic Search.
- Implementing system and application monitoring with Prometheus and Grafana
- Developing spark streaming receiver for Google Pubsub and Logstash.

2. **Client** : Big Data COE HCL
Period : Dec '16 – Jan'16
Team Size : 1

Project Details:

Upgrade the existing Hadoop ETL job involving various Hadoop elements like Pig, MR etc to Spark. This is undertaken to improve the performance and keep up to the current industry standards.

Responsibilities:

- Analysis of existing Hadoop modules and measure the feasibility of changes required.
- Prepared design document for the required changes.
- Involved in building pipeline framework for job using **Spark**.
- Developed **kafka** consumer module in spark streaming.
- Involved in writing shell scripts modules and ftl templates.
- Involved in optimising the spark job for fast processing.

3. **Client** : Telecom Major, US
Period : Oct '14 – Nov '16
Team Size : 15

Project Details:

Prepare a Data Movement Framework, an ETL Framework Tool which also includes metadata handler for its data. A propriety solution to ingest data from multiple data sources, internal and external, in varied formats to a common data landing zone called the Data Lake that can subsequently host, process and publish the data to different consuming applications.

Responsibilities:

- Involved in the requirement analysis with onsite and client team.
- Development and enhancement of web based ETL Framework and its metadata handler using Java with Play MVC.
- Involved in designing the REST services.
- Created/executed/debugged jobs through configuring the Framework.
- Involved in writing shell scripts modules.
- Involved in writing Pig scripts to transform raw data from several data sources into forming baseline data.
- Developed Hive scripts for end user / analyst requirements to perform ad hoc analysis.
- Developed Oozie workflow for scheduling and orchestrating the ETL process
- Documented design documents, use cases and testing reports.
- Assist production support team on timely basis.

EDUCATION

| COURSE | INSTITUTE | MARKS | YEAR |
|---------------------------|---|-------|------|
| B.Tech(Computer Science) | Maharishi Arvind Institute of Engineering and Technology Jaipur | 69.02 | 2014 |
| 12 th | Central Academy Udaipur | 64.4 | 2010 |
| 10 th | Central Academy Udaipur | 74.8 | 2008 |

PERSONAL DOSSIER

Date of Birth : November 9, 1991
Permanent Address : 19, New Dore Nagar, Near Railway Bridge, Udaipur (Raj.) 313002
Languages Known : English, Hindi and Bengali
Passport No : N8133785