**ADINARAYANA ANNEM**

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Objective:

To secure a position in a well-established organization with a stable environment that will lead to a long lasting relationship in the field of Software, and where I could hone my skills intact would be able to sustain a successful contribution to the organization.

Professional Synopsis:

* Having 3+ Years of experience as Software Developer.
* Experience in **Hadoop Framework and Big Data** concepts.
* Hands on Experience with core java and **MapReduce** Programming Model.
* Having Experience in writing **HIVE** queries & **Pig** scripts.
* Importing and exporting data from HDFS/RDBMS using **Sqoop**.
* Experience in **OOZIE** work flow for scheduling the job.
* Experience in the **HBase** for creating tables and storing the data from pig/MR programming
* Configured and working with 25 node Hadoop cluster. Installation and Configuration of **Hadoop, HBase, Hive, Pig, Sqoop, Zookeper** and **Flume**.
* Hands on experience with **different file** formats.
* Having good knowledge in **CORE java**.
* Writing **Hive UDF’**s and **Pig UDF**'s based on requirements.
* Having Experience on HTML5 and CSS.
* Easily adaptable to new Technologies

Work Experience:

* Working as a **Hadoop Developer** in **Wipro Technologies**, Bangalore from May 2014 to till date.
* Worked as a **Software Developer** in **Winbold data systems private limited**, Hyderabad from Jul 2013 to Apr 2014.

Technical Skills:

Programming Languages **:** **C, JAVA (OOPS).**

Big Data & Eco-system **:** **Apache Hadoop including Hive, Pig, Hbase, Sqoop, Flume**

Database Languages **:** **MySQL**.

Operating System **:** **Windows XP, 7, Linux (Ubuntu)**

IDE & Tools **:** **Eclipse, cloudera 5.4**

Education Profile:

* B-Tech in Electronics & Communication Engineering from JNTU Kakinada.

**Project #1**

Project Title : UL Information Platform Development

Client : Underwriters Laboratories

Tools : HDFS,MapReduce,Hive,Sqoop,Oozie,Zookeeper,Hbase

**Description**: Underwriter Laboratories One of the leading safety consulting and certification company in USA is looking to expand its ways of conducting Business by unlocking the potential and knowledge hidden in its unstructured and structured Enterprise Data Assets. By re-designing their existing Business Processes to unleash the value of their Data Assets which were hitherto inaccessible and turning around the Customer Experience for their Customers. We are providing Program Management and Big Data technology services and support to enable them in this high impact program.

UL (Underwriters Laboratories), a global safety science leader, leverages technical data for global electronic motor manufacturer customers in its new state-of-the-art process called Motor DNA (Data Native Architecture).Motor DNA is a data-centric certification and reporting process for motor product safety evaluations. Historically, UL motor certifications and evaluations were reported as a text- based essay on the safety critical attributes of the product. Today, Motor DNA eliminates the traditional text-based report and the critical data is instead stored and catalogued in an electronic database.

Motor DNA more readily lends itself to linking, sorting, searching and retrieving, which enables referencing previous construction and testing. This reduces effort, turnaround time in some cases from months to days- and cost of future submittals. Motor DNA also identifies key differences between motors to quickly determine what testing is necessary, adding to improved speed to market.

For analyzing the MotorDNA data, we will do the following things in backend

* Store the MotorDNA excel files into HDFS
* Extract the excel files data and load into Hive tables
* Execute the Hive scripts for linking the hive tables data
* Load the connected data into Graph Databases

***Role and Responsibilities :***

* + Developed and Tested MapReduce Jobs in Java to Extract and populate the data
  + Implementing the code for loading connected data into neo4j Graph database
  + Implementing the code for loading data into neo4j Hbase
  + Worked with Json and Avro data formats.
  + Implemented the insight for loading Transactional data to HDFS using Sqoop
  + Implementing the SFTP code for moving files to remote location
  + Work with executing Hive Scripts.
  + Implemented hive UDF and UDAF's for handling data variations
  + Resolve issues during the project, analyze, implement work around and close the issues as per the requirement defined to ensure support availability per defined Service Level Agreement
  + Involved in loading the input data to HDFS
  + Creating the BigDataHub components for HDFS Files Archiving.
  + Executing the Oozie workflows in development clusters and UL production cluster
  + Creating the BigDataHub info sources, components and insight in development cluster and production cluster
  + Prepared estimations, execution times for executing the BigDataHub insight flows.

**Project #2:**

Title : Movistar browsing data analysis

Role : Developer.

Environment : Hadoop, Hive, Pig, HBase, Sqoop.

Operating Systems : Ubuntu.

**Description:**

The client is the largest mobile network operator and internet service provider in the US, operates over lot of retail stores across the US and providing the services to more than 20 million customers through Movistar brand. Our Client generates a large amount of data every day/month and the traditional storage systems couldn't scale to the loads. As the data is rising at an exponential rate, client has been facing difficulties in storage & processing. The need to handle such huge volumes of data leads to the Big Data concepts and data analysis/processing using Hadoop technologies. Client maintains the EDW to store the information about Tariff plans, Subscriber details, Mobile devices, Mobile Broadband and Landline service, Mobile Browsing data, Call Detail records, etc., and is providing real time access to this information for customers.

Scope: To build & maintain Hadoop Cluster, to process large volumes of data, and to analyze the information at various verticals. I have been involved in tracking Interbrand disconnections/reconnections and analyzing Mobile Browsing data that in turn facilitate business decisions. Store the log file into HDFS.

**Responsibilities:**

* Understand the business functionality and analyze the business requirement.
* Creating Hive tables and populates them with data.
* Writing Hive queries to process the required data.
* Developing PIG scripts to analyze the unstructured data.
* Access HBase data in Hive.
* Use Sqoop and Flume to import/export client data.
* Involved in installation & configuration of Hadoop cluster for application development & Hadoop tools.

**Project #3:**

Title : US public Financial Records

Client : Fulton Financial Corp.

Role : Java Developer.

Environment : Eclipse.

Operating Systems : Ubuntu.

**Description:**

The client is having the financial records of US people as a scanned PDF and Text data with unwanted spaces in fields and space is delimiter. By using Java coding taking all of the user data and split them into Records (Ex. Name, email, mobile number) by giving the semicolon as delimiter. Based on the client requirement the data is going for the quality check. Then the data is given to the oracle database by maintain the user credentials. Every day the table is updated with new records. After loading the data into the Oracle some scripts are running for removing the unwanted spaces and duplicate data. Then the data is transfer to the client.

**Responsibilities:**

* Understand the business functionality and analyze the business requirement.
* Writing the Java coding for maintaining the records of the user data.
* Writing the Shell scripting for running the Job.
* Creating tables and populates them with data in Oracle.
* Writing queries to remove unwanted spaces.

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