**Data / Cloud System engineer requirements :**

**Soft skills :**

Autonomy like a project manager / well organized

Bilingual interaction with international envt

**Functional :**

Knowledge in Data project

Knowledge in project dealing with set of Cloud solution implementation in all model (IAAS or PAAS or SAAS)

Capable to build and run

Insurance knowledge is a plus

**Technical :**

Capacity to build infrastructure using open source solution to

-          Extract / store data

-          Monitor data

-          Batch execution

|  |  |
| --- | --- |
| **Software (exemple to know about)****Open source** | **Description** |
| Flume | Data Collection Tool : Log, File, Event, Http, TCP |
| Kafka | Message Queue Tool : Temporary Queue before data store  |
| Sqoop | Data Collection/Data Export Tool : Extract Data from legacy DB or Export Data to legacy DB  |
| Hadoop HDFS | Hadoop Distributed File System : Data Inventory |
| Esper | CEP Tool : Calculation, Analysis Pattern, Extract Value in real time |
| HIVE | Analytic Tool : Get/Analysis Data from Data Inventory |
| Presto | Analytic Tool : Get/Analysis Data from Data Inventory |
| Mahout | Machine Learning Tool : Prediction Analysis |
| Solr | Search Tool : Search data from Data Inventory |
| Oozie | Workflow Management Tool : Job handling based on schedule |
| HUE | Monitoring Tool : Monitoring about Hive, Solr, HDFS, Oozie, … |