



EXPERTISE

Current position: Hadoop administrator, part of the Big Data Competence Center of Orange

- Day-to-day administration of Hadoop clusters, including installation, maintenance and configuration.
- Perform troubleshooting and provide expertise (debug & optimization) to the developers & analysts.

Furthermore, I have strong knowledge of the data lifecycle through its 3 major steps:

- **Processing:** Extraction, cleaning, enrichment and storage
- **Visualization:** OLAP Cube, reports and dashboards
- **Analysis:** Predictive Analysis - Machine Learning

My role is to identify and implement the best technologies available on the market taking into account the data type (real time, format, size, confidentiality) & the business needs (processing, visualization, analysis)

TECHNOLOGY PORTFOLIO

HORTONWORKS – HADOOP

Nifi	☆☆☆
Pig	☆☆☆☆
Hive	☆☆☆☆
HDFS/Yarn/Tez	☆☆☆
Flume	☆☆☆
Kafka	☆☆☆
Zeppelin	☆☆☆
Security (Kerberos, Ranger, IPA)	☆☆☆
Storm	☆

DATA VIZUALISATION

JasperSoft	☆☆☆☆
Microsoft SSRS & SSAS	☆☆☆☆☆
Shiny (R Studio)	☆
Pentaho	☆☆☆
Tableau	☆☆
MondoBrain	☆☆

DEVOPS

Ansible	☆☆☆
GIT/SVN	☆☆☆
Maven	☆☆
Jenkins	☆
Nexus	☆

SYSTEM

Linux	☆☆☆☆
Windows	☆☆☆
Apache/Tomcat	☆☆☆

PROJET MANAGEMENT

V-Model	☆☆☆☆
Agile/Scrum	☆☆☆

DATA ANALYSIS

Predictive algorithms	☆☆☆☆
Octave/Matlab	☆☆☆☆
Spark MLlib / Spark SQL	☆☆☆
SparkR et R	☆☆
SAS	☆☆
Weka	☆
KMINE	☆☆

DATA PROCESSING

Talend	☆☆☆
Microsoft SSIS	☆☆☆☆☆
Kettle	☆☆
SAS	☆☆

DEVELOPMENT

Java & J2EE	☆☆☆
Scala	☆☆
Python	☆☆
PHP 4/5 (Symfony)	☆☆☆☆☆
HTML5 / CSS3	☆☆☆☆
C++	☆☆☆
Javascript / Ajax / JQuery	☆☆☆☆
XML : XSD/DTD	☆☆☆

DATABASE / NoSQL

MSSQL	☆☆☆☆
MySQL	☆☆☆☆☆
Oracle	☆☆☆
HBase	☆☆
Cassandra	☆☆☆

EDUCATION & CERTIFICATION

- 2016 BerkeleyX's CS105x! : **Introduction to Apache Spark**
<https://courses.edx.org/courses/course-v1:BerkeleyX+CS105x+1T2016/info>
- 2016 University of California San Diego (Coursera) - **Machine Learning With Big Data**
<https://www.coursera.org/learn/big-data-machine-learning>
- 2015 Stanford University (Coursera) - **Machine Learning**
<https://fr.coursera.org/learn/machine-learning>
- 2015 **HortonWorks** certified developer (Hadoop)
<http://hortonworks.com/training/certification/exam-objectives/#hdpcd>
- 2004 – 2007 Engineer school « EFREI » - **Master Computer Science**
- 2001 – 2004 Paris V René Descartes University – **Bachelor's degree MIAS** (Math and IT applied to science)

PROFESSIONAL EXPERIENCE

Since Feb 2016 **Orange (BigData Competence Center) - Data Consultant - Architect**

Operation of 9 Hortonworks clusters (+200 nodes): Maintaining the clusters, designing architecture, security implementation & management (kerberos, ipa), updates & upgrades, migration, industrialization (ansible), deploying new clusters, installation and documentation.

Level 3 support to developers and analysts: Debugging, optimization, training, best practices (pig, hive, flume, kafka, oozie, hue, spark, nifi...).

Technical environment: Hortonworks Data Platform Ecosystem

2015 **Air Liquide Services (R&D unit) - Data Consultant – Data analyst**

6 mths

Data processing and analysis of "time-series" data type generated by robots and control devices. The use cases are submitted by the industrial and health subsidiaries of Air Liquide.

Technical environment: HortonWorks – Pig – Hive – HCatalog – Spark – Scala – R – SparkR – Zeppelin – MondoBrain.

2013 - 2015 **Smile – Senior Engagement Manager**

3 years

As a senior engagement manager:

- Deploy the offshore project management strategy over all business units
- Negotiate contracts
- Risk management & Assist junior engagement manager
- Participate to recruitment sessions

As an engagement manager

- Customers requirements definition, specifications writing & workshop leading
- Managing the development teams based in Ukraine and Morocco
- Leading steering committees

Clients: French ministry of defense, Caterpillar, Agnès b., Natalys...

Technical environment: LAMP – Magento – ElasticSearch – Drupal – eZ Publish

2006 - 2012 **Co-founder and CTO of several startups**

6 years

Main activity: Technical and functional designing (Architect), development and project manager

- Nouveau-Net: Online marketing agency
- Remedeo: Intelligent tools for auto medication (symptom checker)
- Noontao: Food supplements e-shopping
- RegiePharma : Web agency dedicated to pharmacies
- Xinek: On-line advertising company

Technical environment: LAMP (Linux Apache MySQL PHP) – Magento – Windows BI Suite
Oracle DB – Symfony – C# – J2EE

LANGUAGES

- French – Native Language
- English - Fluent(TOEIC 940/990 + TOEFL 243/300)