

Roman Wilhelm

Summary



HDFS Code-Review
Docker Java8 Spark
Lead Hadoop Software
Realtime HBase Code
Distributed Lucene

» **Status** Team Leader, Big Data Back-End Engineer
» **Loves** Music, Art and Design, Craft and Renovate

I am Software Engineer specialized on distributed environnements.
I worked during 6 years into a startup company with various responsibilities from design and implements low layers of application, implements business cases up to team management.
We recently raised funds, our product is now production-ready and a first set of client is using it for their regulations report purposes.
Nowaday, I would like to discover new horizons with new challenges.

» **Fields** Software, Distributed Systems, Near RealTime Database, Data models, Indexation

Education

2009 / 2012 - Polytech' Montpellier
Engineering Graduate

- » Engineering Degree Computer Science and Management
- » Software engineering and project management
- » Oriented Object / Functional Programming, Networks
- » Statistics, RO, Management

2011 / 2012 - Economic University of Montpellier
Master - Economic Information System for Enterprise

- » Basics of Datamining and TextMining
- » Introduction to Supervised and Unsupervised Machine Learning Algorithms

2007 / 2009 - IUT - Montpellier Institute of Technology
DUT Computer Science and Management

- » Oriented Object Programation
- » Modeling methodologies Merise / UML
- » Accountancy, HMI

Skills

Languages

- » **Expert :** Java 8
- » **Ready :** Bash, SQL
- » **Beginner :** Python, Scala

Development

- » **Methodologies :** Scrum, Test Driven Development
- » **Dev tools :** Git, Jira, Maven, TeamCity
- » **Profiling :** Yourkit, JStack, JVisualVM
- » **Techno :** Hadoop, HDFS, Zookeeper, HBase, Protobuf, Lucene, Spark, Kafka

Environment

- » **Container :** Docker
- » **Op. System :** Ubuntu, CentOS

Experience

2016 / 2019 - Scaled Risk
Team Leader

- » Stand-up meeting animation and team planning
- » Code review sessions, Setting up code quality
- » Lead a team of 4 peoples
- » Recruitment sessions

2013 / 2019 - Scaled Risk
Solution Engineer

- » Implements oriented-object metamodel over HBase
- » Distributed indexation engine with Lucene
- » Distributed consensus with Zookeeper
- » Multi-temporal storage and indexation

2012 / 6 months - International retail banking - BHF/Société Générale - Paris, La Defense
Internship Datamining

- » Various missions around churn phenomenon study. Define customers profiles and attrition behaviour
- » MCA, Decision trees, Descriptives statistics

2011 / 3 months - Concordia University - Montreal, Canada
Internship R&D in Computer Lab

- » As part of a team responsible to implement a data visualisation system on top of a an innovative distributed data warehouse system
- » OLAP System, Java, Smart GWT

2009 / 3 months - University of Central Lancashire - Preston, UK
Internship in Computer Lab

- » ChiCI Lab, Child computer Interaction. Specification and implementation of a ludic platform to socialize children with difficults. Interaction with Wiimote
- » Java, Swing, Connect Wiimote by Bluetooth and MoteJ framework