Jérémie MÉRIGEAULT

Big-Data & Machine Learning Engineer, Data Scientist

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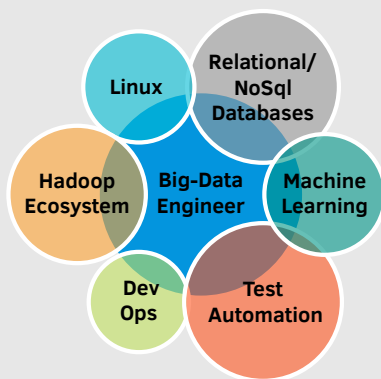
🌐 http://github.com/~JeremM

✉ jeremie.merigeault@gmail.com

Skills

Interests

Software craftmanship

Open-source

Data Visualization

Predictive Modelling

Big Data & Distributed Computing

Languages

Shell · LaTeX · Java · Scala · SQL
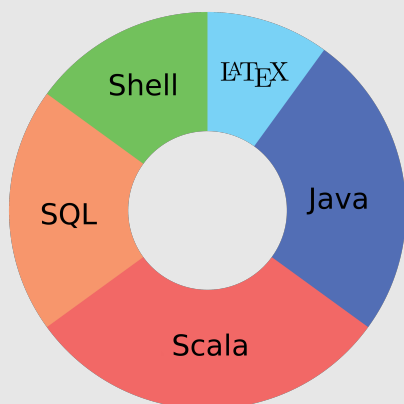
Experience

Aug 2017 - Today

Data Analitycs for Distribution (DAD) project   Enedis
Technical Lead, Craftman & Data-Scientist. Apache spark lover.

- Machine learning (spark on hadoop & HPC) for predictive maintenance (on french electricity distribution assets).
- Distributed graph computing on spark & Neo4j, geospatial data analysis.
- Open source tools usage : MLFlow, Airflow, Superset

Aug 2015 - Aug 2017

DataLabs   Enedis
Developer, & Data-Scientist.

- Integration of Ethereum Blockchain inside Enedis Website, with craftmanships best-practice.
- Human Resources data project, studying carrers and evolution of Enedis' employees. Data Visualitation with Tableau software.
- Designing of Enedis new Big-Data architecture : Kafka, spark on hadoop, Cassandra.

Feb 2013 - Aug 2015

STM project, (Massive Treatment System)   Enedis
Technical Lead on Enedis Big-Data project.

- Architecture design with respect to company standards (supervision, security and performance).
- Analytical research on Hadoop / hive and Teradata database.
- Implementation of performance SLA et performance workflow on the project. Benchmark with Apache JMeter.

Feb 2010 - Jan 2013

SIMM Project (Mass Market Information System)   EDF
Performance and Oracle expertise on EDF critical business software (CRM, billing & BI) with huge amount of data (40TB).

- Database optimisation and SQL tuning with big data volumes.
- Database evolutions design and implementation : Oracle 11g, data compression, partitioning, RAC Clustering.
- Management of Oracle experts team. Oracle contracts (support and consulting) follow-up.

Education

2018 - 2019   **MSc part-time student**   Data Science Tech Institute
Paris, France
Applied MSc in Data Science & Artificial Intelligence

2007 - 2010   **Engineering student**   INSA de Rouen
Rouen, France
Information Systems Architecture

Technical Papers

- *"Using Big Data analytics to improve flood resilience of the distribution grid"* - CIRED 2019
- *"Optimizing network replacement with AI"* - CIRED 2019