

# Fourat MASTOURI

Availability : ASAP

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## SENIOR DATA ENGINEER - 6 YEARS OF EXPERIENCE

### Résumé

Freelance consultant in data and software engineering with 5 years of experience, primarily in the banking sector.

My advanced technical skills in programming, engineering, and data processing are complemented by strong interpersonal skills, allowing me to work effectively in a team. I am capable of conveying my knowledge clearly and concisely, and providing technical support to my colleagues and clients.

**Available for freelance opportunities starting ASAP.**

### Professional Experience

#### Owkin

Paris - France

SENIOR DATA ENGINEER - FREELANCE

August 2023 - Present

- As part of the "DataOps" team at Owkin, contributed to efforts involving the extraction, curation, and alignment of raw medical data, delivering AI-ready datasets for data scientists.
- Established standardized practices for data management, focusing on data quality and delivery for both internal and external projects.
- Engaged in the integration of medical data throughout its lifecycle, including governance, curation, and processing.
- Implemented and maintained CI/CD pipelines to automate testing and deployment, ensuring delivery quality.
- Developed a metadata schema to support various projects.
- Carried out tasks such as extracting, cleaning, curating, pseudonymizing, harmonizing, and merging diverse datasets.
- Provided personalized mentoring and coaching to junior team members to enhance their technical skills and tool proficiency.
- Oversaw junior team members' projects, offering regular guidance and constructive feedback.

**TECHNOLOGIES:** Python, Poetry, Pydantic, Pandas, AWS, GH Actions, DevOps.

#### Natixis Corporate & Investment Banking

Charenton-le-Pont - France

SENIOR DATA ENGINEER - FREELANCE

February 2022 - June 2023

- Designed, implemented, and maintained data pipelines for the collection, processing, and storage of financial data.
- Developed and optimized ETL processes to ensure data integrity and quality.
- Contributed to the architecture and functional structuring of the data lake.
- Assessed the performance of data processing workflows and identified areas for improvement.
- Worked closely with business teams to understand their data requirements and propose tailored technical solutions to enhance reporting and analysis processes.
- Managed multilingual communication with clients and superiors in English and French.
- Provided guidance and mentorship to junior team members, promoting best practices and knowledge sharing.

**TECHNOLOGIES:** Python, Spark, Hadoop, XLRite, XLDploy, Jenkins, Bitbucket, Control-M, Indexima.

#### Société Générale

Fontenay-sous-Bois - France

SENIOR DATA ENGINEER - DAVIDSON CONSULTING CONSULTANT

March 2019 - February 2022

- Within the Big Data Competency Center (CCBD) and later ITIM/CFT (Fast-IT), contributed to a project aimed at combating internal fraud by industrializing fraud detection workflows in a big data environment.
- Streamlined and operationalized fraud detection processes developed by data scientists.
- Developed data processing and enrichment modules using PySpark.
- Set up data collection pipelines from retail banking data centers to the Hadoop cluster.
- Supported a team of data scientists in leveraging the big data platform effectively.
- Ensured GDPR compliance at the application level.
- Managed multilingual communication with support team in Bangalore in English.
- Handled the operation and maintenance (RUN) of multiple production applications, assisting support teams in incident management and process recovery.

**TECHNOLOGIES:** Apache Spark, Python, Bash, Oozie, HDFS/Hive, Talend, Control-M.

Danone Research

DATA ENGINEER - DAVIDSON CONSULTING CONSULTANT

- As part of the "Biometry & Data Science" team and within Danone's SMART DATA program, my role was to implement data integration workflows.
- Designed, modeled, and implemented data integration processes.
- Conducted a Data Protection Impact Assessment (DPIA) to ensure GDPR compliance.
- Developed a self-service portal enabling non-technical teams to access data from multiple APIs.
- Coordinated with teams in Utrecht and Singapore, acting as a bridge between the two entities to ensure smooth project execution and alignment of the solution with requirements.

TECHNOLOGIES: Cloudera, Apache Spark, Python, Pandas, Alteryx, Impala.

Palaiseau - France

September 2018 - February 2019

Davidson Consulting

BIG DATA CONSULTANT - PERMANENT CONTRACT

- As a Big Data Consultant, my role was to support Davidson's clients in implementing their data projects within highly distributed environments.
- Contributed to the preparation and drafting of technical sections for responses to requests for proposals (RFPs).
- Assisted Davidson's business engineers in identifying and recruiting new talent while expanding their client portfolios.
- Led workshops to simplify and explain technical concepts to sales teams.

Boulogne Billancourt - France

September 2018 - February 2022

Paris-Saclay University

ADJUNCT LECTURER - FIXED-TERM CONTRACT

- Instructor for the "OLAP & Multidimensional Databases" course in the Master's program (M2 IMSD).
- Mentored students and supported some of them as an academic tutor.

Évry - France

September 2019 - June 2023

Jems DataFactory / Laboratoire Images, Signaux et Systèmes Intelligents (LISSI)

R&D DATA ENGINEER - APPRENTICESHIP

- Implemented various use cases involving Big Data technologies within the JEMS DataLab and the LISSI (Laboratory of Image, Signal, and Intelligent Systems) at UPEC.

TECHNOLOGIES: Hortonworks, ELK Stack, NiFi, Spark, Talend.

Neuilly-sur-Seine - France

December 2017 - August 2018

Academic Background

Master's Degree

PARIS SACLAY UNIVERSITY: WORK-STUDY PROGRAM

- Master's Degree in IMSD - Innovation, **M**arché, **S**ciences des **d**onnées - Innovation, market and data science.
- Work-study Master's program specializing in Data Science and Data Engineering.

KEYWORDS: Big Data technologies, Elasticsearch, Hadoop, Spark, NoSQL, Microsoft Azure, ML, Data Visualization.

Évry, France

2018

Engineering Degree in Information Systems

ENICARTHAGE, NATIONAL ENGINEERING SCHOOL OF CARTHAGE

- Engineering school admitting students through the national exam for engineering schools.

KEYWORDS: Information systems, development platforms, Java/J2EE, software architecture.

Tunis, Tunisia

2017

Skills

TECHNOLOGIES:

Data Engineering: Spark, Airflow, Elastic Stack, Hadoop Ecosystem, Kafka.

Tooling / Devops: Git, Make, Github Actions, Jenkins, Ansible, AWS EC2.

Programming: Python, Bash scripting.

Databases: PostgreSQL, MySQL, Hive, Indexima, AWS S3.

LANGUAGES:

French: Native

English: Professional Working Proficiency - TOEIC (985 / 990) ≈ 99%.

Certifications

June 2024

Astronomer Certification for Apache Airflow Fundamentals

Astro Academy

In Progress

AWS Certified Cloud Practitioner CLF-C02

AWS

Additional Information

- PREFERRED CONTRACT:** Exclusively seeking full-time freelance opportunities. Not interested in permanent contracts.
- REMOTE WORK PREFERENCE:** At least 2.5 days of remote work per week if the contract is in the Paris area. Remote work arrangements are negotiable for contracts in other regions.
- GEOGRAPHICAL MOBILITY:** Open to traveling to other regions for a few days per month if necessary.

THURSDAY 21<sup>ST</sup> NOVEMBER, 2024 - 16:14

FOURAT MASTOURI · CURRICULUM VITAE

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