

# ELGHAZI SOUFIANE

## Senior Data Engineer

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📍 Rabat, Morocco

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## EDUCATION

Data and Knowledge Engineering

🎓 School of Information Sciences [ESI]

⌚ Oct. 2021 – June 2024

📍 Rabat

Preparatory Classes

🎓 Ibn Tahir High School

⌚ Sept. 2019 – June 2021

📍 Errachidia

Baccalaureate in Mathematics B

🎓 Ibn Al Haitam Technical High School

⌚ Sept. 2018 – June 2019

📍 Ouarzazate

## PROFESSIONAL EXPERIENCE

### Data Engineer at Btechnologie Center, Exclusive Partner of Bouygues Telecom

🏢 Accenture • Full-time • Hybrid

⌚ Dec. 2025 – Present • 3 month

📍 Rabat

- Monitor, maintain, and troubleshoot data pipelines, resolving integration and performance issues in production environments
- Design, optimize, and manage ETL pipelines using Fabric Dataflows Gen2, Lakehouse, and Fabric Pipelines
- Support data migration from on-premises systems to the cloud using Microsoft Fabric technologies
- Develop interactive Power BI reports using Direct Lake mode, optimized DAX, and advanced visualizations
- Collaborate with cross-functional teams to improve pipeline performance using PySpark and SQL
- Contribute to AI-driven projects, including drive-test vehicle data analysis to predict communication failures and recommend corrective actions
- Develop web scraping automation bots using Selenium to support data collection and operational automation
- Work in an Agile environment, actively participating in sprint planning, reviews, and iterative delivery and Maintain clear technical documentation

Python PySpark T-SQL Power BI Microsoft Fabric Dataflows Gen2 Lakehouse PowerAutomate PowerApps

### Data Consultant

🏢 ENOVA RT • Full-time • Hybrid

⌚ Feb. 2024 – Dec. 2025 • 2 years

📍 Rabat

- Implemented a centralized data warehouse for BI operations with ETL processes, dimensional modeling, and complete documentation
- Suggested and developed a CV matching application using NLP to improve recruitment efficiency
- Proposed and deployed a local chatbot for documentation using RAG and Ollama to optimize knowledge sharing
- Developed SQL and PL/SQL scripts for data ingestion, extraction, and updates
- Designed and deployed dynamic dashboards for hospital, billing, and payment metrics
- Developed a predictive model for nosocomial infections with 92% accuracy, deployed in a web application, with automated ETL/ML pipelines

Python PowerBI PostgreSQL SQL Talend RAG Fastapi Kafka Spark Airflow Redis

## PROJECTS

### Financial Statement Extraction Tool:



Developed an automated tool to extract and display financial statements from PDF financial reports

OCR OpenCV PyTesseract Flask React

### Real-Time Customer Churn Prediction:



Real-time data processing for predictive churn analysis

Spark Kafka Power BI Snowflake

## CERTIFICATIONS

☁️ Microsoft Azure Fundamentals (AZ-900)

☁️ Microsoft Azure Data Fundamentals (DP-900)

📊 Microsoft Power BI Data Analyst Associate (PL-300)

☁️ Microsoft Fabric Data Engineer Associate (DP-700)

## ACHIEVEMENTS

🎓 My Microsoft Power BI Udemy Course

🎓 My Learn Git Udemy Course

💻 Data Engineering Concepts Article

💻 Understanding DAX Contexts

## SKILLS

### Programming Languages

Python SQL DAX Mcode

### Databases

SQL Server PostgreSQL MongoDB Snowflake Cassandra

### Big Data & Cloud Computing

Spark PySpark Hadoop Kafka Git Docker Azure

### ETL & Data Modeling

Dataflows Gen2 Fabric Pipelines Talend Power BI

### Soft Skills

Problem Solving Communication Adaptability Time Management