

# Walid KHELIFA

Big Data & Data Warehouse Senior Developer - **Data Engineer**



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Experienced data engineer with deep expertise in data pipeline design, development and maintenance. Proficient in Python, SQL, Hadoop, Spark and other technologies, and can efficiently operate complex data. Skilled in data modeling, performance optimization, and integrating diverse data sources. Demonstrated expertise in web development, API creation, and delivering solutions. Enthusiastic about innovating and streamlining processes to enhance data value. Good communication and analytical skills, with the ability to work with multidisciplinary teams.

## SKILLS

Programming languages	Python, Java, JavaScript, C#	
Databases	SQL	Teradata, Postgres, Hive, Cassandra
ETL	Informatica PowerCenter, Apache NiFi	
Data-processing libraries	Apache Spark, Apache Kafka NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Scipy	
Web development	Frontend	<ul style="list-style-type: none"><li>- HTML, CSS &amp; JavaScript</li><li>- React.js</li><li>- Bootstrap</li></ul>
	Backend	<ul style="list-style-type: none"><li>- Express.js</li><li>- Spring Boot</li><li>- Django</li><li>- jHipster</li></ul>
Deployment	Docker, Kubernetes	
Data visualization	Seaborn, Matplotlib, Tableau, Excel.	
AI algorithms and methods	Classification & clustering algorithms. Neural networks. Computer vision.	
Scraping	Scrapy, BS4	

# PROFESSIONAL EXPERIENCE

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## Djezzy Telecom | Big Data & Data Warehouse Developer Administrator

Avril 2024 – Present | Algiers, Algeria

- ✚ Develop Real Time Trigger using NIFI, KAFKA, Ignite and Cassandra.
- ✚ Developing microservices architecture using Spring Boot not only encourages the design of modular, scalable software but also facilitates the development of APIs for enhanced interoperability and integration.
- ✚ Develop and manage Real time/Bach data pipelines transformations on huge mobile data (CDRS- Call Data Records, Billing system, CRM).

## Djezzy Telecom | Big Data & Data Warehouse Developer Engineer

Février 2023 – Avril 2024 | Algiers, Algeria

- ✚ Develop and manage of INFORMATICA mapping to extract data from different operational sources to DWH (SGBD: Teradata).
- ✚ Integration of data from various operating system in DWH (DBSS Telecommunication and billing system, POS SystemPoint of sales system CDRs, FMS-Fraud) depending on the Teradata Vantage model.
- ✚ Design and develop ETL processes to ingest data into data warehouse, and transform data into data models suitable for business intelligence and analytics needs.
- ✚ Deploy and supervising BigData projects.

## Djezzy Telecom | IT Consultant. BI & Big Data Developer through Imagine Partners (outsourcing company)

Mai 2022 – Février 2023 | Algiers, Algeria

- ✚ Extract and analyze complex data from a variety of databases.
- ✚ Creating the pipeline for Data management.
- ✚ Design and develop dashboards, and visualizations to communicate key metrics and findings.
- ✚ Monitoring the weekly ETL load, whether the ETL process was successfully established.
- ✚ Incident management, troubleshooting and bug fixing.

## Artivision Startup | Co-founder of Computer Vision Startup

Novembre 2021 – Mai 2022 | Algiers, Algeria

- ✚ Develop new ideas to help the startup grow.
- ✚ Assist the data collection process for building large-scale Image datasets.
- ✚ Negotiate solutions in the best interest of the startup.
- ✚ Help make technical decisions.
- ✚ Participation in the elaboration of the specifications.
- ✚ Attend meetings with investors.

## PROJECTS

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- ✚ A platform for locating and displaying Djezzy point of sales on a geo-graphic map, and checking the balance of each POS in real time. (Geo-Piloting Platform) | **Djezzy Telecom**
- ✚ Real Time Trigger to notify customers in real time (bonus sending data/call package) | **Djezzy Telecom**
- ✚ Teradata upgrade v17 (Working on all project steps) | **Djezzy Telecom**
- ✚ Informatica upgrade v10.5 (Working on all project steps) | **Djezzy Telecom**
- ✚ Website of the International Conference of Energy ICEIPE'24 | **USTHB**
- ✚ A mobile application for teleconsultation (E2ES) | **Freelance**
- ✚ E-commerce Website : Online product sales | **Freelance**
- ✚ Furniture lift rental website | **Freelance**
- ✚ Neural network model that predict the diagnostic of a chest X-ray | **Freelance**

## EDUCATION

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- ✚ Bachelor degree in Information Systems and Software Engineering. | **USTHB | Alger | Juin 2019**
- ✚ Master degree in Intelligent Computer Systems | **USTHB | Alger | Septembre 2021**

## PROFESSIONAL TRAINING

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- ✚ Deep learning Certification | 2019
- ✚ Django Certified Developer | 2020
- ✚ Kubernetes Certified Application Developer | 2023
- ✚ Flutter Certified Developer | 2023