

## Arej Siham

Recent graduate of a Master's degree in business intelligence and project management, I am looking for a job opportunity in data-driven and software engineering.

### Contact details

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### Technical skills/knowledge

**Relational databases** : Microsoft SQL Server, Oracle SQL Developer, MySQL, MariaDB, AWS Cloud, SAP BO, DuckDB

**Non-relational databases** : Neo4j (graph oriented)

**ETL and data integration**: Talend Data Integration

**Business Intelligence et visualization** : SAP BO, Power BI, Excel

**Project management and collaboration**: Trello, GitHub

**Big Data** : Hadoop, Spark (MapReduce, SparkShell, PIG)

**Development Environments (IDE)**: DBeaver, NetBeans, Visual Studio

**Geographic Information Systems (GIS)**: QGIS

**Automation**: Power Automate, scripts batch (.bat)

**Office tools**: Pack MS Office (Excel, Word, PowerPoint, Outlook)

**Cloud computing** : AWS, Microsoft Azure, Google Cloud Platform

**Programming languages** : Java, Python, Scala

**Query and database management languages**: SQL, PL/SQL, MDX, Power Query, VBA

### LANGUAGES

French - C2, Italian - C2, Arabic - C2, English - B2, Spanish - B1

### Soft skills

- Adaptability, creativity, and a commitment to excellence
  - Strong teamwork and cultural sensitivity
  - Customer-focused mindset with a passion for growth
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### School career

#### *Master in Information Systems Engineering for Decision Support*

University of Toulouse Capitole, FR (2022-2024)

Skills in database, information systems, project management (Agile and V-cycle), and functional business processes to design and deploy solutions adapted to needs.

#### *Bachelor's degree in Economic and Social Administration - Business and Territorial Governance*

University of Toulouse Capitole, FR (2019-2022)

Multidisciplinary training in administrative management, accounting, financial and legal in the public and private sectors.

#### *Economic and Social Baccalaureate (Mathematics specialty)*

Jules Michelet High School, Montauban, FR (2019)

## Professional Experience

### *Internship - Data and Information Systems Engineer at EGIS*

Toulouse, FR (05/2024 - 10/2024)

- ❖ Worked across the entire data stack, from data ingestion to the design of an interactive, user-friendly KPI dashboard with graphs and synthetic maps in Power BI.
- ❖ Managed and processed geospatial data with QGIS to meet the requirements of the European project RestCoast according to functional and technical standards.
- ❖ Demonstrated a strong problem-solving mindset and delivered data-driven insights through innovative data analytics techniques.
- ❖ Thrived in a dynamic, fast-paced environment by adapting to evolving project priorities.
- ❖ Collaborated effectively with European partners in English and contributed to Agile project management practices.
- ❖ Maintained a curious and proactive attitude towards learning and exploring new data analytics tools and techniques.

### *Student job - Logistics administrative agent at GXO*

Labastide St Pierre, FR (06/2022- 04/2024)

- ❖ Coordinated order preparation and logistics workflows using SAP, SAP Fiori, and Cockpit.
  - ❖ Managed administrative tasks: document control, updating information systems, and handling communications.
  - ❖ Optimized processes and resolved anomalies by fostering cross-team collaboration.
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## Master's Business Intelligence Projects

### *BI project at AIRBUS (Agile-Scrum methodology)*

- ❖ **Benchmarking** and design of a BI prototype (POC) in Power BI to monitor logistics activity and manage a team scrumboard, tailored to client requirements.
- ❖ Conducted functional analysis of the specifications, identifying and addressing business needs to translate them into functional and technical specifications (User Stories) and priorities.
- ❖ Performed data cleaning (ETL) with Talend and modeled a production database for integration into a data warehouse using Oracle 10g.
- ❖ Designed reporting and visualization dashboards with admin and user access management, along with alert notification systems, to provide actionable insights for the admin.
- ❖ Collaborated within an Agile-Scrum environment, ensuring effective communication with the client and the team to deliver solutions aligned with their expectations and objectives.

### *Multidimensional Database Project*

- ❖ Optimized query performance using SQL and MDX with and without indexing on a classic and cube architecture OLAP in Oracle and SQL Server.
  - ❖ Automated and updated SCD processes for an aeronautical production base using PL/SQL (triggers, functions, and procedures).
  - ❖ Designed and implemented SQL instructions (DDL, DML, TCL, DCL) for managing IS and transactional processes.
  - ❖ Collaborated with peers to troubleshoot technical challenges, showcasing problem-solving and teamwork skills.
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## And Other Master's Programming Projects

*(e.g., Big Data, D3.js, ML, Data Mining, OOP,...)*

Arej Siham  
Phone : +33 7 58 62 56 78  
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Subject: Applying for a V.I.E

Dear Madam, Sir,

Recently graduated with a Master's degree in Decision Support Information Systems Engineering from the University of Toulouse Capitole (France), I am actively looking for a position in business intelligence, combining data consultant, IS engineer in the field of BI, Big Data, ML, Data Mining.

My academic background, focused on business intelligence, has allowed me to develop in-depth skills in the analysis of massive data, ranging from the design to the development of dynamic dashboards. During my tutored projects, I learned to govern and model large data under Hadoop MapReduce, PIG and Scala (VM Cloudera), under SQL in ODS, DWH and DTM, and make them suitable for descriptive analysis as well as predictive analysis, thus meeting specific business needs. I also implemented ETL/ELT processes under Talend, PowerBI, and DBMS, such as DBeaver, to guarantee the quality of data and tables and machine learning and data mining algorithms to ensure their reliability using. For rapid and automated SCD logging of IS data management processes, I planned automated script processes in Python and triggers, procedures and functions in PL/SQL, to ingest data in real time and manage SCDs in the DBMS. Finally, I learned to identify added value information and define KPIs, facilitating ethical decision-making and supported by effective visualization on BI tools, such as PowerBI, and D3.js for visualizations on the web. During the internship as a data and information systems engineer, I had the opportunity to create a dashboard for a large-scale European project, intended for public consumption on the RestCoast website. This experience strengthened my skills in design and modeling in Power BI and in manipulating geospatial data on the GIS tool, QGIS.

Beyond my technical skills, project management practices in Agile-Scrum mode during my tutored projects have significantly strengthened my communication skills. Daily meetings and sprint reviews were crucial to ensure effective collaboration between team members and clients. My flexibility and ability to quickly adapt to changing project requirements was constantly tested. These practices also allowed me to benefit from constructive feedback, essential for the improvement and evolution of the BI solution. In addition, the presentation of these projects (in English and French) allowed me to refine my analytical skills and my ease in public, giving me the ability to highlight the restitution tools through storytelling during demonstrations to guarantee an innovative and unique user experience. Whereas in business, project management is organizationally complex, oscillating between the iterative cycle of modern agility practices and traditional V-cycle methods, and requiring continuous motivation and adaptation to effectively meet Europeans partner expectations.

Joining your company would be an opportunity for me to improve my skills and contribute significantly to your teams in a stimulating professional context. I remain available for an interview to discuss my application in more detail.

I sincerely thank you for the attention you will give to my request and my motivation.

Arej Siham