**Ala-Eddine Karib**

95 mason’s avenue, London, England HA3 5AN   • 07361513365   • [alaa\_karib@hotmail.fr](mailto:alaa_karib@hotmail.fr)

<https://www.linkedin.com/in/Ala-EddineKarib/>

https://akariba.github.io/Asset-Management/

**Personal Statement**

Results-oriented with a proven track record of successful project facilitating the day-to-day development of real-time analytics products. Responsible for translating product management and customer requests into actionable development requirements and making sure that those requirements are adequately addressed in the final product. Worked closely with the Product Management team to manage the product lifecycle, provided technical recommendations to key stakeholders, and is instrumental in delivering projects on time and on budget.

**Core Qualifications**

|  |  |
| --- | --- |
| * Documentation of functional and technical requirements / UML * Data Governance and Cloud migration * ETL and data warehouse * Scripting & Query Languages: UNIX Shell scripting, SQL and PL/SQL, XML. * Programing languages: Python | * Stakeholder management. * Data Quality Assurance * Regulatory implementation: FRTB, EMIR, MiFID * MX3 Integration ( workflow interfaces) * Murex FO * Financial Markets |

**Courses**

Murex FO

Calypso Academy 2023

Certificate Databricks Lakehouse

Udemy: Data Modeling in Python

IBM: Application Developer - Mastery Award for Students 2017

AWS: Big data

Oracle: SQL Programing

**Work Experience**

**Position**, 06/2021 – Present

**Company** – ***London Stock Exchange Group***

**Lead Data Engineer**

* Worked on maintaining product backlog for various data onboarding initiatives within capital markets, index refactoring, Equity derivatives, regulatory implementation FRTB SA/IMA.
* Closely collaborating with Product Owners, Tech Lead, Squad Members and Architect to ensure consistency across the product, components and dependencies.
* Translating Business Requirements collaborating with stakeholders to translate business analytical needs into precise data requirements and models. Working closely with Data Engineers to design relevant data extracts as inputs to models and solutions.
* Analyzing data extracts from source systems to ensure alignment with business requirements. Collaborating with Data Engineers to enhance data extracts as needed for accuracy and relevance.
* Overseeing the implementation of end-to-end data flow in the in-house platform, from raw data extraction to final results table. This involves managing ETL processes, conducting transformations, stitching different datasets, and enriching data with business logic.
* Documented end to end ETL and data ingestion process, functionally and technically as well as created data flow diagrams that represents data flow from vendors, ingestion and distribution downstream

**Position**, 10/2019 – 05/2021

**Company** – UBS

**Senior Data Analyst**

* Worked on Data ingestion initiatives for regulatory reporting performing both functional and technical analysis, design and documentation to help conclude requirements based on waterfall approach.
* Ensuring consistency and accuracy by reconciling raw data with transformed results across different sources
* Worked on documenting the data engineering process and helped with building a knowledge base around the end-to-end system design to help system analysis
* Maintaining and updating business mappings and logic to reflect evolving business needs and requirements.
* Working closely with the product owner to define business logic and mappings for integrating multiple datasets or adding business-related attributes. Collaborating with technology teams to build and maintain relevant databases and tables based on agreed architecture.
* Coordinated closely with relevant stakeholders during the system development and reported status to stakeholders during SIT, UAT and PROD.
* Performed testing as described by testing manager, performed iterative testing and batch processing across data ingestion results, outputs files, automated execution, checked logged and ensured defects are checked and the system works as expected.
* Helped with strategic initiative to migrate data ingestion to cloud by setting up cloud session, environment and test tools in azure cloud and help creating knowledge base across azure cloud migration.

**Position**, 06/2015 – 05/2018

**Company** – ALTEN

**Data Engineer**

* Worked as data engineer developing data applications in oracle database, Apache spark and Informatica PowerCenter.
* Performed analysis and design to migrate data ingestion pipelines from Informatica PowerCenter to Apache spark, tested data distribution process and checked output in Hive
* Tested data ingestion, deployment and configuration in Jenkins as part of DevOps integration initiative.
* Work on POC's to perform change data capture (CDC) and Slowly Changing Dimension in HDFS using Spark and Delta
* Developed generic store procedures using PL Sql to transform and ingest transactional tables data into Snowflake relational tables
* Responsible for Performance tuning Spark Scala Batch ETL jobs by changing configuration properties and using broadcast variables.
* Worked on Batch processing for History load and Real-time data processing for consuming live data on Spark Streaming using Lambda architecture.
* Ensuring complete documentation of all underlying business mapping methodologies, design, assumptions, and exceptions to facilitate understanding and future reference.

**Position**, 06/2013 – 05/2015

**Company** – Hitachi Data Systems

**Business Intelligence Analyst**

* Designed/Developed table-driven ETL process with Perl and shell scripts, which in turn calls OWB mappings, Informatics oracle code to load EDW
* Created Power BI reports by using Joins in multiple tables from multiple databases using complex SQL queries
* Designed a Power BI data model with multiple fact tables and dimensions depending on the business requirements
* Hands-on experience working with SSIS, for ETL process ensuring proper implementation of event handlers, loggings, checkpoints, transactions, and package configurations
* Designed high-level ETL architecture for overall data transfer from the source server to the enterprise services warehouse
* Worked in creating complex stored procedures, SSIS packages, triggers, cursors, tables, views, and other SQL joins and statements for applications
* Gathered data and visual requirements from business users to deliver effective reports, dashboards, and analytics

**Education**

**Degree Obtained**: Bachelor in Business and Finance, 2012

**Institution Name** – University of Sunderland