Anas Raggad

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INTERESTS

Transforming data into actionable insights driving strategic business decisions.

WORK EXPERIENCE

Data Engineer - Harlem Next B.V, Haarlem   Jan 2023 - Present
– Optimized and refactored ETL data pipelines, and developed modular components for streamlined pipeline development.
– Conducted a comprehensive cost analysis of BigQuery tasks, identifying optimization opportunities for cost savings.
– Optimized a Dataflow job for CDC using Datastream, replicating data from over 150 MySQL instances to BigQuery.
– Established GitLab CI/CD pipelines for automated linting, testing, and deployment.
– Architected Terraform infrastructure, facilitating environment-specific deployments via DTAP approach.
– Developed a Dataflow job to purge inactive Firestore chats : 400k euros annual savings by eliminating 7bn records.
– Designed and maintained actionable business dashboards in Looker.
• Keywords : GCP, PYTHON, JAVA, TERRAFORM, SQL, DATASTREAM, BIGQUERY, MYSQL, FIRESTORE, LOOKER.

Data Engineer - Leroy Merlin, France   Apr 2021 - Sept 2022
– Deployed ETL data pipelines using composer (Airflow) on GCP
– Design and implementation of a Data Lake (GCS) and a Data Warehouse (Bigquery) on GCP
– Infra-as-Code using Terraform and Automation of deployments and CI/CD processes using Github Action.
– Developed a serverless API using Quarkus for data retrieval from a Mysql database, publishing results to a Kafka topic.
• Keywords : GCP, PYTHON, JAVA, HCL, SQL, BASH, DOCKER, KAFKA

Data Analyst & Industry 4.0 Owner - ST Microelectronics, Morocco   Oct 2017 - Aug 2020
– Led single unit level traceability project on assembly equipment ($3M CAPEX).
– Collaborated with third party to build and test a model for equipment predictive maintenance.
– Developed and deployed AIV robots for quality improvement and cost reduction.
– Led Cyber security governance for equipment hard drive backup: standard operating procedures & security audits.
– Supported operations with data analysis for capacity and cycle time improvement

PROJECTS

- E-voting application : Ensured correct election results based on Hyperledger Fabric and IBM Blockchain Platform
- Power Consumption Prediction: Developed a model for EATON's data centers, enhancing server virtualization efficiency.

EDUCATION

2020 - 2021	Advanced Masters (WO) - Big Data, Information technology at **ENSIMAG**	
2020 - 2021	Advanced Masters (WO) - Analysis, management and responsible use at **Grenoble School of Management**	
2012 - 2017	Masters - Electrical Engineering (Automation, Industrial Computing) at **Mohammadia School of Eng.**	

CERTIFICATIONS

- Apache Spark with Scala , Sundog Education
- Taming Big Data with MapReduce and Hadoop, Sundog Education
- IBM Blockchain Foundation Developer V2, IBM

SKILLS

Languages	Python, Java, SQL, HCL, bash, C
Cloud & Big Data	GCP, Hadoop, Spark, Kafka
Devops	Terraform, CI/CD, Docker, Git.
Databases	BigQuery, MongoDB, PostgreSQL, MySQL, Firestore.
Infrastructure	Looker, PowerBI
Project Management	Agile - Scrum