

Matthieu Malling

Junior Data Engineer

WORK EXPERIENCE

Redder Ltd

Junior Web Developer

03/2019 – Present

- Managed and maintained the code base of 50+ websites using HTML, CSS, Javascript and PHP
- Key team member developing innovative design through the web implementing animation and added functionality
- Leveraged Linux server administration skills to ensure smooth web hosting. Connected to servers via SSH and performed vital maintenance on Nginx based hosting
- Built and executed complex SQL queries to improve website database performance. Maintained mirrored databases across instances by updating tables and data
- Initiated a project then collaborated with a team of 3 developers creating a tool to manage the use of cookies in compliance with GDPR laws
- Led marketing campaigns with existing clients to explore business opportunities through the use of analytic tools

PROJECTS

AWS Data Engineering Pipeline

05/2024

- Implemented an end-to-end AWS-based data engineering pipeline that leveraged both batch and stream processing to analyze over 30k rows of data
- Provisioned an API Gateway RESTful API to leverage a Kafka REST proxy & send data to 3 different Kafka topics on MSK
- Distributed batch data from MSK to an AWS S3 data lake using MSK Connect plugin-connector pair
- Created custom Spark transformations on Databricks, to clean and aggregate data stored in the S3 data lake
- Automated Databricks Workloads to run daily using custom made DAG scripts on MWAA
- Streamed data in real-time using 3 AWS Kinesis data streams & performed near real-time analysis using Spark Structured Streaming on Databricks

Multinational Data Centralisation Pipeline

03/2024

- Developed a system that extracts sales data from 5 data sources: PDF documents, AWS RDS database, RESTful API, JSON & CSV files
- Created custom Python scripts to clean and transform over 120k rows of data, before loading the data into a PostgreSQL database
- Developed a star-schema database by joining 5 dimensions tables, resulting in data querying time with < 1 millisecond latency
- Produced 10 complex SQL queries to extract business insights from the data, including velocity of sales, yearly revenue and regions with the most sales

CONTACT

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SKILLS

Technical Skills:

- Python
- SQL
- AWS
- Spark
- Databricks
- Kafka
- Airflow
- Git
- HTML
- CSS

EDUCATION

AiCore

Cloud and Data Engineering -
06/2024

Sheldon School

A levels in Chemistry, Maths and Physics.

AS level in Geography - 08/2014

OTHER EDUCATION

- Databricks Certified Data Engineering Associate (in progress)

LEADING EXPERIENCE

- Managed a team of up to 20 people as a Retail Supervisor for 5 years
- Co-ordinated a team of up to 15 people as a Hospitality Supervisor for 2 years