## Verified Certificate



This is to certify that

## **Xavier Borja**

successfully completed and received a passing grade in

## **DB0250EN: Building ETL and Data Pipelines** with Bash, Airflow and Kafka

a course of study offered by IBM, an online learning initiative of IBM.

Rav Ahuja

Al and Data Science Program Director

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Yan Luo

Ph.D., Data Scientist and Developer

IBM



**Verified Certificate** Issued June 15, 2023 Valid Certificate ID 6a94dd94e9ca42bba8396afc27fd0b3d