

Verified
Certificate



This is to certify that

Gregory Adiprawira

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
AI and Data Science Program Director

IBM

A handwritten signature of Rav Ahuja.

Rav Ahuja
Ph.D., Data Scientist and Developer
IBM

A handwritten signature of Yan Luo.

Yan Luo
Ph.D., Data Scientist and Developer
IBM



Verified Certificate
Issued November 2, 2025

Valid Certificate ID
4015d3811de44667801902b5128d22ac