



4 Courses

Hands-on Introduction to
Linux Commands and Shell
Scripting

Databases and SQL for Data
Science with Python

ETL and Data Pipelines with
Shell, Airflow and Kafka

Getting Started with Data
Warehousing and BI
Analytics



Jun 11, 2023

Erwin Pasia

has successfully completed the online, non-credit Specialization

BI Foundations with SQL, ETL and Data Warehousing

The earner of this certificate has demonstrated proficiency in Business Intelligence foundations and working with Data Warehouses. Holders of this certificate have completed several courses to become familiar with using various Linux commands and pipes and developed shell scripts to perform Extract, Transform and Load (ETL) operations. They can compose basic and intermediate-level SQL queries to work with data in relational databases. This includes SELECT, INSERT, UPDATE, DELETE, FILTER, ORDER, AGGREGATE and JOIN data in tables. They can automate ETL, ELT and data pipelines using BASH scripts, Apache Airflow and Apache Kafka. They can design and build Data Warehouses, as well as create interactive reports and dashboards to derive insights from data in the warehouse.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Rav Ahuja, Program
Director, IBM Skills
Network

Verify this certificate at:

<https://coursera.org/verify/specialization/YWDGJ27NJBXA>