



5 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

Data Warehouse
Fundamentals

BI Dashboards with IBM
Cognos Analytics and Google
Looker



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Tanaphat Saeung

has successfully completed the online, non-credit Specialization

BI Foundations with SQL, ETL and Data Warehousing

After completing this professional certificate, you be ready for an entry-level BI analyst role. You'll understand relational database concepts, can create cloud-based relational databases, execute SQL statements, and access databases using SQL and Python. You'll be able to create shell scripts with common Linux/UNIX commands, crucial for data preparation tasks. You can build batch and streaming ETL and ELT data pipelines using Bash, Apache Airflow, and Kafka. Additionally, you can design, model, and implement a data warehouse and analyze its data using BI tools like IBM Cognos, showcasing your business intelligence and related data engineering capabilities.

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

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