



Certificate no: UC-f24d5c5e-1b94-446e-a6d1-2ce45b5d034e

Certificate url: [ude.my/UC-f24d5c5e-1b94-446e-a6d1-2ce45b5d034e](https://ude.my/UC-f24d5c5e-1b94-446e-a6d1-2ce45b5d034e)

Reference Number: 0004

CERTIFICATE OF COMPLETION

# Writing production-ready ETL pipelines in Python / Pandas

Instructors **Jan Schwarzlose**

## Mạnh Cường Nguyễn

Date **Jan. 28, 2022**

Length **7 total hours**