



Certificate no: UC-037ec50f-492c-4145-8c6f-737fa6dd4bb6

Certificate url: ude.my/UC-037ec50f-492c-4145-8c6f-737fa6dd4bb6

Reference Number: 0004

CERTIFICATE OF COMPLETION

Writing production-ready ETL pipelines in Python / Pandas

Instructors **Jan Schwarzlose**

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Date **July 11, 2023**

Length **7 total hours**