



Certificate no: UC-3e3b5a28-fea3-452f-8d73-766a5591665a

Certificate url: ude.my/UC-3e3b5a28-fea3-452f-8d73-766a5591665a

Reference Number: 0004

CERTIFICATE OF COMPLETION

Apache Spark 3 & Big Data Essentials in Scala | Rock the JVM

Instructors **Daniel Ciocîrlan**

Thomas Guillaux

Date **Feb. 3, 2023**

Length **7.5 total hours**