

The logo for New Professions Lab, featuring the words "NEW", "PRO", and "LAB" stacked vertically in white, bold, sans-serif capital letters inside a red square.

**NEW
PRO
LAB**

Certificate of Completion

WITH HONOURS



this is to certify that

ANDREY EROSHKIN

has demonstrated exceptional dedication to mastering the science and technology of

APACHE SPARK 2 ADVANCED

a 4-week course that covers Dataframe API, Spark Structured Streaming
API, `org.apache.spark.sql.Row`, Py4j and Scala UDF in PySpark,
parallelization in Spark

30.04.2022

Date of Issue

A handwritten signature in blue ink, appearing to read "Anna Zhovtis".

Anna Zhovtis
CEO, New Professions Lab

Certificate number: 30461568754030211065943278870