

Certificate of Completion

675

**Sergey
Shkarin**

has demonstrated
exceptional dedication
to mastering
the technology
of Spark



Spark

Spark
Streaming

RDD

Spark ML

Graph
Frames

YARN

HDFS

Scala API

Data
Frames



A stylized, handwritten signature in black ink.

ELENA TRETYAKOVA
Director, New Professions Lab
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