

**CERTIFICATE  
OF COMPLETION**  
1411

**WITH HONORS**

**Yuriy  
Osychenko**



**Data  
Marts**

**Pipelines**

**Structured  
Streaming**

**Data  
Frames**

**has shown  
exceptional  
dedication  
to mastering  
the technology  
of Apache Spark  
for data engi-  
neering tasks**

**ML-  
engineering**

**Monitoring  
and Optimization**

**NEW  
PRO  
LAB**

21.01.2021

A stylized black ink signature of Anna Zhovtis.

**ANNA ZHOVTIS**  
CEO, Newprolab