

The logo for NobleProg, featuring the company name in a blue, sans-serif font.

**NobleProg**

The World's Local Training Provider

course completion

# CERTIFICATE

has been presented to / es otorgado a

**Piotr Patrzalek**

for the completion of / por completar el curso de

**Python and Spark for Big Data  
(PySpark)**

Trainer  
**Tomasz Zajac**

Venue  
**Gdańsk**

Duration  
**4 Days**

date of issue:  
**2020-01-31**

e-certificate:  
<https://cert.nobleprog.com/authenticate>  
Certificate ID: 607443  
Authentication Code: 2feb7