

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

**Michael Loosen**

for the completion of / por completar el curso de

**SMACK Stack for Data Science**

Trainer  
Jorge Calbo

Duration  
**2 Days**

date of issue:  
**2022-04-05**

e-certificate:  
<https://cert.nobleprog.com/authenticate>  
Certificate ID: 672403  
Authentication Code: 19442