

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

The World's Local Training Provider

course completion

# CERTIFICATE

has been presented to

**Yu Zhang**

for the completion of

**Spark for Developers**

Trainer  
祝海林

Venue  
**Dalian, 中国**

Duration  
**3 Days**

date of issue:  
**2017-09-12**

e-certificate:  
<https://cert.nobleprog.com/authenticate>  
Certificate ID: 533697  
Authentication Code: e325e