

This document certifies that

**Ayoub Oukrirou**

Successfully passed the IBM Academic Certificate exam for

**IoT Cloud Developer 2020 Mastery exam**

This achievement also earns you a Mastery Award Badge which you can accept from Acclaim



**26 January 2021**

UNIQUE ID: 2046-1611-6531-5008



**Takreem El-Tohamy**  
General Manager  
IBM Middle East and Africa



**Dr. Naguib Attia**  
Vice President  
Global University Programs  
IBM USA