

This document certifies that

Ngongo Wa Ngongo Emmanuel

Successfully passed the IBM Academic Certificate exam for

Blockchain Developer Mastery Award (2018)

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



21 June 2019

UNIQUE ID: 2790-1561-1007-9772



Takreem El-Tohamy
General Manager
IBM Middle East and Africa



Dr. Naguib Attia
Vice President
Global University Programs
IBM USA