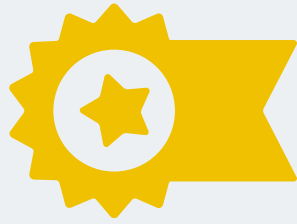


IBM Learning Completion Certificate



This certificate is presented to

Juan Emmanuel Fernandez Silva

for the completion of

IBM Blockchain - Essentials Course

(URL-1499160969183)

As indicated by this learner

Completion date: 02 Jan 2019

Learning hours 2 hrs