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Rafael Michelin Sanches
Ferreira de Moraes

has successfully completed

Scalable Machine Learning on Big Data using
Apache Spark

an online non-credit course authorized by IBM and offered through Coursera

A handwritten signature in blue ink, appearing to read 'R. Kienzler'.

Romeo Kienzler
Chief Data Scientist
IBM Watson IoT

COURSE
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Coursera has confirmed the identity of this individual and
their participation in the course.