



Developer Certification for Apache Spark

Kaniska Mandal

Has successfully completed the requirements for the Developer Certification for Apache Spark, version 1.1.0.

A handwritten signature in black ink, appearing to read "Paco", with a stylized flourish extending from the end.

Date of achievement: 3/22/2016

Paco Nathan, *Databricks*

A handwritten signature in black ink, appearing to read "Ben Lorica", in a cursive style.

Ben Lorica, *O'Reilly Media, Inc.*

CERTIFIED
DEVELOPER ON
APACHE SPARK

CERTIFICATION NUMBER
1.x-0454