## Verified Certificate



This is to certify that

Software Engineer (Machine Learning)

IBM

**Xavier Borja** 

successfully completed and received a passing grade in

**BD0225EN: Big Data, Hadoop, and Spark Basics** 

a course of study offered by IBM, an online learning initiative of IBM.

Aije Egwaikhide

Senior Data Scientist

*IBM* 



**Verified Certificate** Issued August 15, 2023 **Valid Certificate ID** 

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1 of 1 8/15/2023, 2:18 PM