



Nov 9, 2023

**Osama Shoukat**

has successfully completed

**Introduction to DevOps**

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

A handwritten signature in black ink, reading "John J. Rofrano".

John J. Rofrano  
Senior Technical Staff Member and DevOps Champion  
IBM T.J. Watson Research Center

**COURSE  
CERTIFICATE**



Verify at:

<https://coursera.org/verify/M4MLMY4MZARG>

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