



This is to certify that

BIROUE ISAAC

successfully completed and received a passing grade in

IBM Cloud Essentials V3

(CC0103EN, provided by IBM)

A course on **cognitive class.ai**Powered by **IBM Developer Skills Network**.

Issued by Cognitive Class

Steve Martinelli

ten Plantatt

STSM, Developer Advocacy IBM Cloud and Cognitive Software IBM Hose Ponution

Horea Porutiu

Advisory Software Engineer, Emerging Technology IBM Cloud and Cognitive Software IBM

January 9, 2023

Authenticity of this certificate can be validated by going to:

https://courses.cognitiveclass.ai/certificates/2c768f608be64de298d1760dc1ea16ea

Certificate ID Number: 2c768f608be64de298d1760dc1ea16ea January 9, 2023