

# Verified Certificate

This is to certify that

**Karim Abdelfadeel Abdelmageed Hassanin**

successfully completed and received a passing grade in

**CAD220EN: Developing Cloud Applications with Node.js and React**

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



A handwritten signature in black ink, appearing to read 'Upkar Lidder'.

Upkar Lidder

Senior Software Engineer

IBM



Verified Certificate  
Issued June 23, 2021

Valid Certificate ID  
4d31f40e232e4e069b501132898c4381

# Verified Certificate

This is to certify that

**Karim Abdelfadeel Abdelmageed Hassanin**

successfully completed and received a passing grade in

**CAD201EN: Developing Cloud Native Applications**

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



A handwritten signature in black ink, appearing to read 'Upkar Lidder'.

Upkar Lidder

Senior Software Engineer

IBM



Verified Certificate  
Issued May 4, 2021

Valid Certificate ID  
d30a5bb4c54e4a83b7de552c3a1b0306

# Verified Certificate

This is to certify that

**Karim Abdelfadeel Abdelmageed Hassanin**

successfully completed and received a passing grade in

**CAD101EN: Introduction to Cloud Development with HTML, CSS,  
and JavaScript**

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



A handwritten signature in black ink, appearing to read 'Rav Ahuja'.

Rav Ahuja

AI and Data Science Program Director

IBM

A handwritten signature in black ink, appearing to read 'Upkar Lidder'.

Upkar Lidder

Senior Developer Advocate

IBM



Verified Certificate  
Issued January 19, 2021

Valid Certificate ID  
1affcbf84074495793dd145547c97376

# Verified Certificate

This is to certify that

**Karim Abdelfadeel Abdelmageed Hassanin**

successfully completed and received a passing grade in

**CC0101EN: Introduction to Cloud**

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



A handwritten signature in black ink, appearing to read "Rav Ahuja".

Rav Ahuja

AI and Data Science Program Director

IBM



Verified Certificate  
Issued March 11, 2021

Valid Certificate ID  
41f3d433f7524b5f9d30b1d79d90a12e