



CERTIFICATE *of* ACHIEVEMENT



A handwritten signature in black ink, reading 'Phillip Laplante'.

Dr. Phillip Laplante

Professor of Software and Systems Engineering
The Pennsylvania State University

A handwritten signature in black ink, reading 'Saurabh Sinha'.

Dr. Saurabh Sinha

Vice President
IEEE Educational Activities Board

This is to certify that

Pascal Venafro

successfully completed and received a passing grade in

CloudIntro.x: Introduction to Cloud Computing

a course of study offered by IEEEEx, an online learning initiative of IEEE through edX.

VERIFIED CERTIFICATE
Issued July 30, 2015

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