



CERTIFICATE
Issued August 29th, 2013

This is to certify that

Joseph Carroll

successfully completed

CS-169.1x: Software as a Service

a course of study offered by **BerkeleyX**, an online learning
initiative of **The University of California At Berkeley** through **edX**.

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

Armando Fox
Academic Director for Online Education
Professor In Residence
UC Berkeley

A handwritten signature in black ink, appearing to read 'Diana Wu'.

Diana Wu
Executive Director for Online Education
UC Berkeley

A handwritten signature in black ink, appearing to read 'D. A. Patterson'.

David Patterson
Pardee Professor of Computer Science
UC Berkeley

HONOR CODE CERTIFICATE

*Authenticity of this certificate can be verified at <https://verify.edx.org/cert/9c640e7c42c0466ab0cbdd536f7447ff>