

Sun™ Certification



Roger Arbogast

HAS FULFILLED ALL REQUIREMENTS AS A
SUN CERTIFIED DEVELOPER
FOR THE JAVA™ 2 PLATFORM

On December 20, 2006



A handwritten signature in black ink, appearing to read "Jonathan I. Schwartz".

Jonathan I. Schwartz, Chief Executive Officer and President, Sun Microsystems, Inc.

A handwritten signature in black ink, appearing to read "Karie Willyerd".

Karie Willyerd, Vice President and Chief Learning Officer, Sun Educational Services