



# SUN CERTIFICATION

Steven Hawkes

HAS FULFILLED ALL REQUIREMENTS AS A  
SUN CERTIFIED DEVELOPER

FOR THE JAVA™ 2 PLATFORM

On October 31, 2001

A handwritten signature in black ink, appearing to be "SM", positioned above a horizontal line.

Scott McNealy, President, Chairman, and CEO of Sun Microsystems, Inc.

A handwritten signature in black ink, appearing to be "Bill Richardson", positioned above a horizontal line.

Bill Richardson, Vice President and General Manager of Sun Educational Services

