

Janolof Elander Jansson

HAS FULFILLED ALL REQUIREMENTS AS A

SUN CERTIFIED WEB COMPONENT DEVELOPER

FOR THE JAVA™ 2, Enterprise Edition PLATFORM

On December 16, 2002



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



Terry Erdle, Vice President, Sun Educational Services

Expiration date: December 16, 2004

