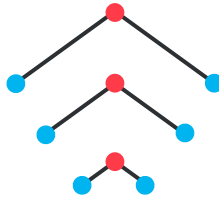


CERTIFICATION



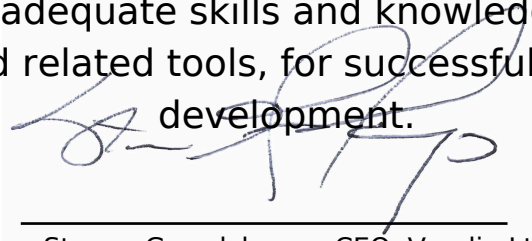
Mac Przepióra

has fulfilled the requirement as

Certified Vaadin 7 Developer

On 2013-06-02

By passing the certification test, the candidate has demonstrated adequate skills and knowledge about Vaadin Framework and related tools, for successful web application development.

A handwritten signature in blue ink, appearing to read "Steven Grandchamp", written over a light blue rectangular background.

Steven Grandchamp, CEO, Vaadin Ltd.

Certification ID: #139032683820157875b4ab7eac489580-7

Type: Vaadin Online Exam for Certified Vaadin 7 Developer

Date: 2013-06-02