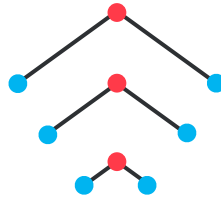


CERTIFICATION



**Greg Biegel**

has fulfilled the requirement as

**Vaadin 7 Certified Developer**

On Nov 26, 2015

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 'Joonas Lehtinen', is written over a horizontal line. The signature is fluid and cursive.

Joonas Lehtinen, CEO, Vaadin Ltd.

**Certification ID:** #279119

**Type:** Vaadin Online Exam for Vaadin 7 Certified Developer

**Date:** Nov 26, 2015