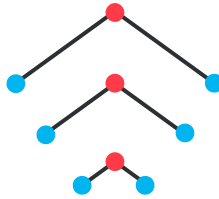


CERTIFICATION



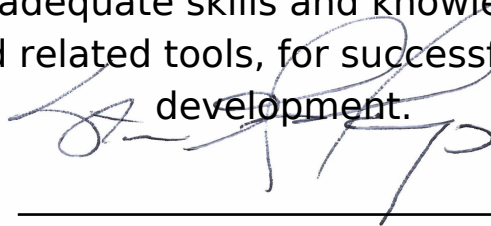
Tien Hung Ngo

has fulfilled the requirement as

Certified Vaadin 24 Developer

On 2025-03-24

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 horizontal line.

Steven Grandchamp, CEO, Vaadin Ltd.

Certification ID: #893c197e-2637-4226-8190-59c3868986a4

Type: Vaadin Online Exam for Certified Vaadin 24 Developer

Date: 2025-03-24