



4 Courses

Object-Oriented Design

Design Patterns

Software Architecture

Service-Oriented Architecture



04/13/2020

**Gursharanpreet Singh**

has successfully completed the online, non-credit Specialization

# Software Design and Architecture

The recipient of this certificate has completed the Software Design and Architecture Specialization. This achievement required mastering knowledge and demonstrating applications of design principles, patterns, and architectures to create reusable and flexible software applications and systems. The Capstone Project provided practical assessment of the acquired knowledge and skills through the continuous development and documentation of an Android application from a single user app that stores data locally to a multi-user app that stores data remotely.

*Kenny Wong*

Kenny Wong  
Associate Professor  
Computing Science,  
Faculty of Science

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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