



12 Courses

Introduction to Cloud Computing

Introduction to Web Development
with HTML, CSS, JavaScript

Getting Started with Git and
GitHub

Developing Front-End Apps with
React

Developing Back-End Apps with
Node.js and Express

Python for Data Science, AI &
Development

Python Project for AI & Application
Development

Developing Applications with SQL,
Databases, and Django

Introduction to Containers w/
Docker, Kubernetes & OpenShift

Application Development using
Microservices and Serverless

Full Stack Cloud Development
Capstone Project

Full Stack Software Developer
Assessment



May 17, 2023

Pham Phu Ngoc Trai

has successfully completed the online, non-credit Professional
Certificate

IBM Full Stack Software Developer

The earner of this Professional Certificate has completed 10 courses on various Application Development and Cloud technologies and is now equipped with the skills and know how to undertake challenges of Developing Cloud Native Applications. The Certificate earner has hands-on working knowledge with HTML, CSS, JavaScript, GitHub, Node.js, React, Cloud Native practices, DevOps, CI/CD, Containers, Docker, Kubernetes, OpenShift, Python programming, Databases, SQL, NoSQL, Django ORM, Bootstrap, Application Security, Microservices, Serverless computing, and more. The learner has also deployed several applications on cloud, completed a capstone project, and delivered a Software as a Service (SaaS) solution using Cloud Native methodologies.

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.

Rav Ahuja
AI & Data Science
Program Director
IBM Skills Network

Verify this certificate at:

[https://coursera.org/verify/profession
al-cert/MTSE2XAMVYTR](https://coursera.org/verify/professional-al-cert/MTSE2XAMVYTR)