



8 Courses

Introduction to DevOps

Introduction to Agile Development and Scrum

Introduction to Containers w/ Docker, Kubernetes & OpenShift

Application Development using Microservices and Serverless

Introduction to Test Driven Development (TDD)

Continuous Integration and Continuous Delivery (CI/CD)

Application Security and Monitoring

DevOps Capstone Project



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Jirayu Kaewprateep

has successfully completed the online, non-credit Professional Certificate

IBM Applied DevOps Engineering

In this Professional Certificate, learners mastered DevOps practices, Agile methodologies and Cloud Native Technologies. The holders of this certificate completed numerous hands-on labs and projects to gain practical DevOps experience. They utilized Scrum and wrote and executed agile user stories using a Kanban board; built & deployed Python microservices using Docker containers, Kubernetes, OpenShift, & Serverless; developed & executed unit tests with test driven development (TDD) methods; applied the process of Continuous Integration / Continuous Development (CI/CD) with GitHub Actions and Tekton, added monitoring, logging & observability and ensured security. The completers of the Professional Certificate are now ready to take on Software Engineering challenges using a DevOps mindset.

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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