



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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GANESAPERUMAL

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.

Upkar Lidder
Senior Software Engineer
IBM

John J. Rofrano
Senior Technical Staff Member and DevOps Champion
IBM T.J. Watson Research Center

Alex Parker
Offering Manager for IBM Cloud Kubernetes Service
IBM

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