

Cloud-Native Development Accelerator

INSTRUCTOR-LED | 30 HOURS | ONSITE OR REMOTE

OVERVIEW

Build Java web applications from the ground up to take full advantage of the cloud and all it has to offer development teams. Decouple your applications from hardware and harden them against failures that are more difficult to recover from in traditional infrastructures.

DELIVERY OPTIONS

- Ten 3-hour sessions over 1 week or multiple weeks

OUTCOMES

- Design scalable cloud native applications with the Spring framework by leveraging cloud and PaaS solutions like Pivotal Cloud Foundry. Learn how to break down monolithic codebases into microservices that scale with your development organization.

AUDIENCE

- Early to mid level Java web developers with some experience developing applications with the Spring framework.

AGENDA

6 hrs

Twelve-Factor Design and Cloud Infrastructure

Dive into twelve-factor design to architect cloud-native applications that can scale with both users and growing teams. Learn the benefits of adopting a cloud based infrastructure for your apps.

3 hrs

Platform as a Service

Enable rapid development and deployment of your applications to the cloud by leveraging Pivotal Cloud Foundry and AWS.

12 hrs

Microservices

Decompose large Java web applications into microservices that can scale with your business.

3 hrs

Working with Docker and Kubernetes

Take advantage of containers and understand how they fit into a modern workflow for development.

6 hrs

Project Week

Apply the topics you've learned throughout the course, while exercising creativity in choosing the technologies and skills on which you want to focus.

