Pivotal Cloud Native Workshop Agenda

DAY 1

Github Repo for labs : https://github.com/reshmik/CNA.git

9:00 - 9:30 am : Introductions

9:30 - 10:45 am : Application Development : PCF Overview and Demo
      Introduction to Pivotal Cloud Foundry
      Orgs, Spaces, Users, Roles
      Services and Service Marketplace
      Command Line Interface (CLI) intro
      Application Deployment
      Deployment Manifest Intro
      Buildpacks
      Domains and Routes
      Scaling and Self-Healing
      High Availability
      Application Logging and Metrics

10:45 - 11:00 am : BREAK

11:00 - 12:00 pm : Cloud Native Apps and Continuous Delivery
      Why Build Cloud Native Applications?
      What Are Cloud Native Applications?
      Introduction to Microservices and Cloud Native Design

12:00 - 1:00 pm : LUNCH BREAK

1:00 - 3:30 pm : Spring Boot Primer : Introduction to Spring Boot and Spring boot components & Labs
      Spring Boot Basics
      Spring Boot Configuration
      Spring Boot Actuator
      Spring Boot with Spring Data Rest

Spring Cloud Services : Introduction & Hands On Labs to Spring Boot and Spring boot components

3:30 - 5:00 pm : Spring Cloud Config Discussion and Labs

DAY 2

Spring Cloud Services : Introduction & Hands On Labs to Spring Boot and Spring boot components

    9:00 - 12:00 am : Spring Cloud Netflix - Service Discovery Discussion
                                    Spring Cloud Netflix - Client Side Load Balancing Discussion
                                    Review & Labs

    12:00 - 1:00 pm : LUNCH BREAK

    1:00 - 3:00 pm : Spring Cloud Netflix - Circuit Breakers,
                              Spring Cloud Netflix - Circuit Breaker Metric Aggregation
                              Review & Labs

    Time Permitting
    Operations :
            BOSH Brief Intro
            Elastic Runtime Architecture
    Latency Analysis :
    Distributed Tracing