**Java 8 with Microservices**

**Day 1:**

**Introduction**

**What's new in Interfaces (precise)**

* Static Methods
* Default Methods
* Functional Interfaces

**Introducing Lambda Expressions**

* Java 8 vs Java 7 ,what’s new and the improvements/ enhancements.
* Lambda Expression Overview
* Lambda Expressions and Functional Interfaces
* Using Lambda Expressions
* Working with Method References

**The Stream API**

* Overview
* Understanding the Stream API
* Stream Processing
* Collectors

**Parallel Processing**

* Overview
* Java 8 Parallel Processing using Streams
* Performance Issues and Considerations

**Day 2:**

**Other Capabilities (precise)**

* Compact Profiles
* Using Optional Instead of null
* Repeatable and Type Annotations
* Nashorn JavaScript Engine

**Micro Services Architecture**

* Understanding the Micro Services Architecture
* Best practices & guidelines
* Spring boot vs Play Framework
* Spring Boot Architectural deep dive

**Conclusion**

* Live Working Sample following the micro-services architecture via. Spring boot over Java 8 features