

TECHNOLOGY TRANSFER PRESENTS

# JESSE ANDERSON

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## Professional Kafka

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ONLINE LIVE STREAMING

**NOVEMBER 15-18, 2021**

DUE TO TIME ZONES, THIS CLASS WILL TAKE PLACE IN THE AFTERNOON  
FROM 2 PM TO 6 PM ITALIAN TIME



info@technologytransfer.it  
www.technologytransfer.it

## **ABOUT THIS SEMINAR**

Takes a participant from no knowledge of Apache Kafka to being able to develop with it professionally. We cover Kafka and its ecosystem of technologies. It covers the concepts behind Kafka and how to write your own producers and consumers. Then, we cover the best practices for designing and architecting Kafka solutions, like Apache Avro. Finally, we cover the Kafka ecosystem with Kafka Streams, Kafka Connect, and KSQL.

This class doesn't just cover the easy or Hello World-level consideration; we go deeply into the advanced topics of Kafka.

### **You Will Learn**

- How to Kafka works and important concepts behind it
- How to create simple and advanced producers and consumers for Kafka
- Why Avro is crucial to any enterprise Kafka solutions
- How to use Kafka Connect to bring data into and out of Kafka
- How to create simple solutions with Kafka Streams
- How to use KSQL to process and join data in real-time with SQL

### **AUDIENCE**

Programmers, Technical, Software Engineers, QA, Analysts.

### **Technologies Covered**

- Apache Kafka
- Kafka Streams
- Kafka Connect
- KSQL

# OUTLINE

## 1. Data At Scale

Data Movement Concepts  
Moving Data at Scale

## 2. Kafka Concepts

Kafka System  
Basic Concepts  
Advanced Concepts

## 3. Developing With Kafka

Using Apache Maven  
Kafka API  
Kafka API Caveats

## 4. Advanced Kafka Development

Advanced Consumers and Producers  
Advanced Offset Handling  
Transactions  
Multi-threading Consumers

## 5. Kafka and Avro

Why Serialize  
Avro and Serialization Formats

## 6. Kafka Connect

Using Kafka Connect  
Importing From JDBC  
Exporting to HDFS

## 7. Kafka Streams

Kafka Streams  
Kafka Streams API

## 8. KSQL

Using KSQL

# INFORMATION

<p><b>PARTICIPATION FEE</b></p> <p>€ 1100</p> <p>The fee includes all seminar documentation.</p> <p><b>SEMINAR TIMETABLE</b></p> <p>2.00 pm - 6.00 pm (Italian time)</p>	<p><b>HOW TO REGISTER</b></p> <p>You must send the registration form with the receipt of the payment to: info@technologytransfer.it</p> <p>TECHNOLOGY TRANSFER S.r.l. Piazza Cavour, 3 - 00193 Rome (Italy)</p> <p><b>PAYMENT</b></p> <p>Wire transfer to: Technology Transfer S.r.l. Banca: Cariparma Agenzia 1 di Roma IBAN Code: IT 03 W 06230 03202 000057031348 BIC/SWIFT: CRPPIT2P546</p>	<p><b>GENERAL CONDITIONS</b></p> <p><b>DISCOUNT</b></p> <p>The participants who will register 30 days before the seminar are entitled to a 5% discount.</p> <p>If a company registers 5 participants to the same seminar, it will pay only for 4.</p> <p>Those who benefit of this discount are not entitled to other discounts for the same seminar.</p> <p><b>CANCELLATION POLICY</b></p> <p>A full refund is given for any cancellation received more than 15 days before the seminar starts. Cancellations less than 15 days prior the event are liable for 50% of the fee. Cancellations less than one week prior to the event date will be liable for the full fee.</p> <p><b>CANCELLATION LIABILITY</b></p> <p>In the case of cancellation of an event for any reason, Technology Transfer's liability is limited to the return of the registration fee only.</p>
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**JESSE ANDERSON**  
**PROFESSIONAL KAFKA**  
**DEVELOPMENT**

November 15-18, 2021

Registration fee:  
€ 1100

*If registered participants are unable to attend, or in case of cancellation of the seminar, the general conditions mentioned before are applicable.*

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Stamp and signature

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## ***SPEAKER***

**Jesse Anderson** is a data engineer, creative engineer, and managing director of the Big Data Institute. Mr. Anderson trains employees on Big Data-including cutting-edge technology like Apache Kafka, Apache Hadoop, and Apache Spark. He has taught thousands of students at companies ranging from startups to Fortune 100 companies the skills to become data engineers. He is widely regarded as an expert in the field and recognized for his novel teaching practices. Mr. Anderson is published by O'Reilly and Pragmatic Programmers and has been covered in such prestigious media outlets as the Wall Street Journal, CNN, BBC, NPR, Engadget, and Wired.