

Beautiful Stream Processing

with **Spring, Kafka** and **Kubernetes**

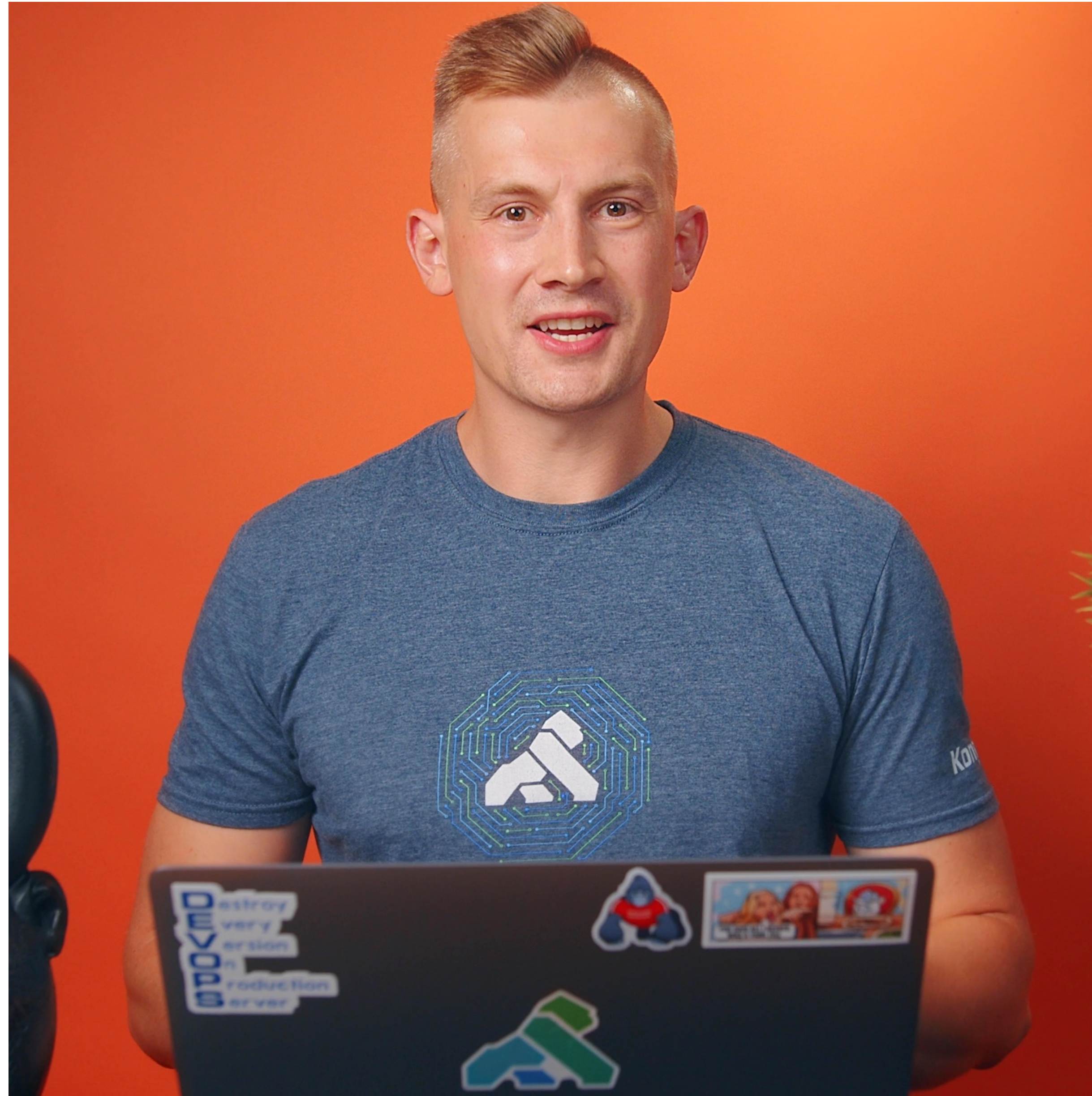
| Viktor Gamov | @gamussa
| August 2021

<i>SCS</i>	<i>Kafka</i>	<i>Java (java.util.function.*)</i>
<i>Sink</i> <i>Source</i> <i>Processor</i>	<i>Producer</i> <i>Consumer</i> <i>Kafka Streams</i>	<i>Supplier</i> <i>Consumer</i> <i>Function</i>

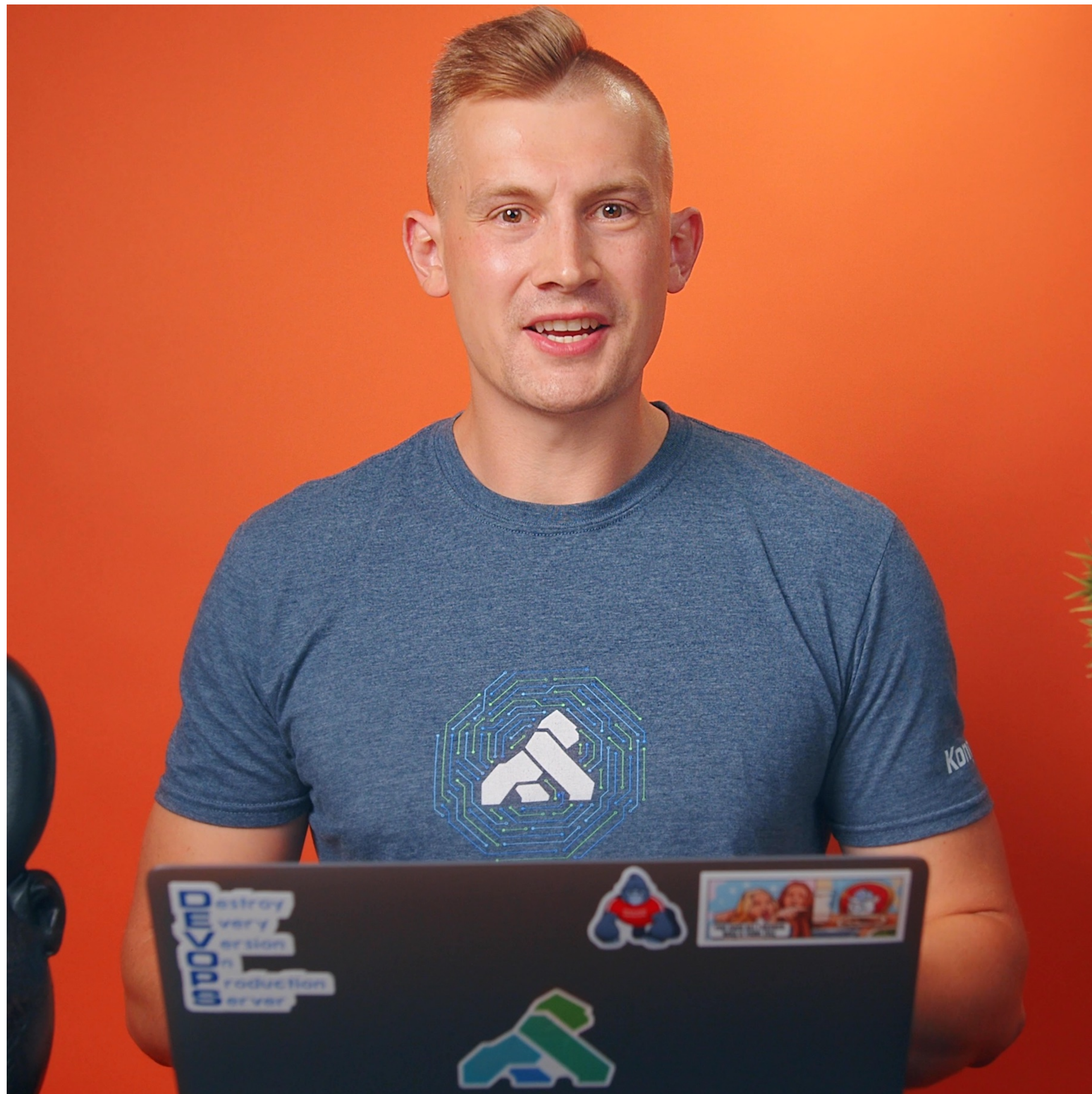
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★ [gamov.dev/telegram](https://t.me/gamov.dev)

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Kafka

IN ACTION

Dylan D. Scott
Viktor Gamov
Dave Klein



 MANNING



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Kafka IN ACTION

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MEAP

 MANNING



★ kafkainaction.org

★ Use code **kafkaa35**

★ Release - Fall 2021

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Agenda

What I will try to show you today

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- Kafka and Stream Processing 101

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- start.spring.io

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- Functional approach to Stream Processing with SCS

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- Kafka and Stream Processing 101
- start.spring.io
- Functional approach to Stream Processing with SCS
- Deployment to Kubernetes with Buildpacks and Skaffold

Project

☐ Maven Project ☒ Gradle Project

Language

☒ Java ☐ Kotlin ☐ Groovy

Spring Boot

☐ 2.6.0 (SNAPSHOT) ☐ 2.6.0 (M2) ☐ 2.5.5 (SNAPSHOT) ☒ 2.5.4

☐ 2.4.11 (SNAPSHOT) ☐ 2.4.10

Project Metadata

Group pl.devoxx

Artifact kafka-spring

Name kafka-spring

Description Demo project for Spring Boot

Package name pl.devoxx.kafka-spring

Packaging ☒ Jar ☐ War

Java ☐ 16 ☒ 11 ☐ 8

Dependencies

ADD DEPENDENCIES... ⌘ + B

Spring for Apache Kafka MESSAGING

Publish, subscribe, store, and process streams of records.

Spring for Apache Kafka Streams MESSAGING

Building stream processing applications with Apache Kafka Streams.

Cloud Stream SPRING CLOUD MESSAGING

Framework for building highly scalable event-driven microservices connected with shared messaging systems (requires a binder, e.g. Apache Kafka, RabbitMQ or Solace PubSub+).

Lombok DEVELOPER TOOLS

Java annotation library which helps to reduce boilerplate code.

Spring Reactive Web WEB

Build reactive web applications with Spring WebFlux and Netty.

LET'S JUMP RIGHT IN!

Talk is cheap, show me the code TM

As Always
Have A Nice Day

Viktor Gamov

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