

3. Kafka Producer (Event Publisher)

java

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```
import org.springframework.kafka.core.KafkaTemplate;
import org.springframework.stereotype.Service;

@Service
public class OrderEventProducer {

    private final KafkaTemplate<String, OrderCreatedEvent> kafkaTemplate;

    public OrderEventProducer(KafkaTemplate<String, OrderCreatedEvent> kafkaTemplate) {
        this.kafkaTemplate = kafkaTemplate;
    }

    public void publishOrderCreatedEvent(OrderCreatedEvent event) {
        kafkaTemplate.send("orders", event.getOrderId(), event);
        System.out.println("Published event: " + event.getOrderId());
    }
}
```

You can use:

1. Constructor DI
2. Set DI
3. @Autowired DI