JAVA

Completable future

CompletableFuture<String> future = CompletableFuture.*supplyAsync*(() -> {  
 try {  
 Thread.*sleep*(1000);  
 System.*out*.println(": " + Thread.*currentThread*().getName() + " Time : " + Date.*from*(Instant.*now*()).getTime());  
 kafkaTemplate.send(topic, json);  
 } catch (InterruptedException e) {  
 e.printStackTrace();  
 }  
 return "Hello from async task !";  
});

Use thenRun(one after other) join(to get result) thenApply(to chain) use these async method to get or process result. These methods don’t block threads like get(get result) method in future class or completable future.

<https://medium.com/javarevisited/java-completablefuture-c47ca8c885af>