## **Event Driven/Asynchronous Messaging and Queues**

## **Assumptions**

- Students have seen threading in Java or pthreads in a systems class.
- Students have completed the lecture on serverless/lambda.
- Students have an AWS account and a basic understanding of how AWS authentication works.

## Out of class learning activities

- Watch:
  - From a course on distributed systems at Safari Books
     https://www.safaribooksonline.com/videos/distributed-systems-in/9781491924914/9781491924914-video215283 (duration 6:27)

## Read:

- Blog posts about Kafka use at Netflix <a href="https://medium.com/netflix-techblog/evolution-of-the-netflix-data-pipeline-da246ca36905">https://medium.com/netflix-techblog/kafka-inside-keystone-pipeline-dd5aeabaf6bb</a>
- Do:
  - Review SQS documentation starting with:
     https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/welcome.html
  - Follow these steps to create a SQS message queue (that you will use in class)
     <a href="https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-getting-started.html">https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-getting-started.html</a>