Lecture #12

Campus	Lecture Date	Lecture Recording Availability Date
Boston	07/27/2019	N/A
Online	N/A	07/27/2019

Agenda

- Review Assignment #06 [../../assignments/06/]
- Email Service
- Microservices Architecture
- Event-driven architecture (Publish/Subscribe)
- Serverless Computing
- Discuss Assignment #07 [../../assignments/07/]

Slides

- Microservices Architecture [https://northeastern-my.sharepoint.com/:b:/g/personal/tejasparikh_northeastern_edu/EbftQYSF3j9LpJbcXSvMo8AB_-cqX7r_62TVx8PDQpb4bQ?e=t7vE8V]
- Serverless Computing [https://northeastern-my.sharepoint.com/:b:/g/personal/tejasparikh_northeastern_edu/EYwBR_Jzv_ZEnJflia5TncsBGBOwH165fM_14GDhchS_pg?e=r8T4zh]

- Email Service [https://northeastern-my.sharepoint.com/:b:/g/personal/tejasparikh_northeastern_edu/EVooBE8qUr1Ck_JxfruhOwMBJLhDjbbbIrOVALlGWyD3_g?e=q2Hqq2]
- Event-driven architecture (Publish/Subscribe) [https://northeastern-my.sharepoint.com/:b:/g/personal/tejasparikh_northeastern_edu/EdpTCy23v-1Ihn8B4biMvuwBrgH4InRbsElXBd7VQ0WKfw?e=GwrmP0]

Reading

Emails

- Amazon Simple Email Service [https://aws.amazon.com/ses/]

Serverless Computing

- Function-as-a-Service 101: What is it? [https://blogs.cisco.com/cloud/function-as-a-service-101-what-is-it]
- Serverless Architectures [https://martinfowler.com/articles/serverless.html]
- What Is Serverless Computing, and Why Should I Care? [https://developer.ibm.com/openwhisk/what-is-serverless-computing/]
- AWS re:Invent 2016: The State of Serverless Computing [https://www.slideshare.net/AmazonWebServices/aws-reinvent-2016-the-state-of-serverless-computing-svr311?from_action=save]
- Best Practices for Working with AWS Lambda Functions [http://docs.aws.amazon.com/lambda/latest/dg/best-practices.html]
- Environment Variables for Lambda functions [http://docs.aws.amazon.com/lambda/latest/dg/env_variables.html]

Event Driven Architecture

- Amazon Simple Notification Service [http://docs.aws.amazon.com/sns/latest/dg/welcome.html]

- Amazon Simple Queue Service (SQS) [https://aws.amazon.com/sqs]
- Amazon Simple Notification Service (SNS) [https://aws.amazon.com/sns/]
- What do you mean by “Event-Driven”? [https://martinfowler.com/articles/201701-event-driven.html]