OPT Volunteering Progress Report

Project Title: Serverless application that uses the Amazon Polly service to convert text to speech
Week: 12/31/2024 – 01/13/2025
Report Date: 01/14/2025

INTRODUCTION

Project Overview:

This section of the report involved creation and implementation of new_post lambda function.

Work Progress:

Created new_post lambda function. The first Lambda function created is for the entry point for the application. It receives information about new posts that should be converted into audio files.
The lambda function does the following:

- Retrieves two input parameters:
  Voice: One of dozens of voices that are supported by Amazon Polly
  Text: The text of the post that we want to convert into an audio file

- Creates a new record in the DynamoDB table with information about the new post

- Publishes information about the new post to SNS (the ID of the DynamoDB item/post ID is published there as a message)

- Returns the ID of the DynamoDB item to the user

By completing this task, The new_post Lambda function receives voice and text parameters, it will create a new record in DynamoDB with a unique postId, and publishes the postId to an SNS topic. It then returns the postId to the user.

Future Work:
The next steps in the project include:
  Creation and implementation of a convert to audio Lambda function