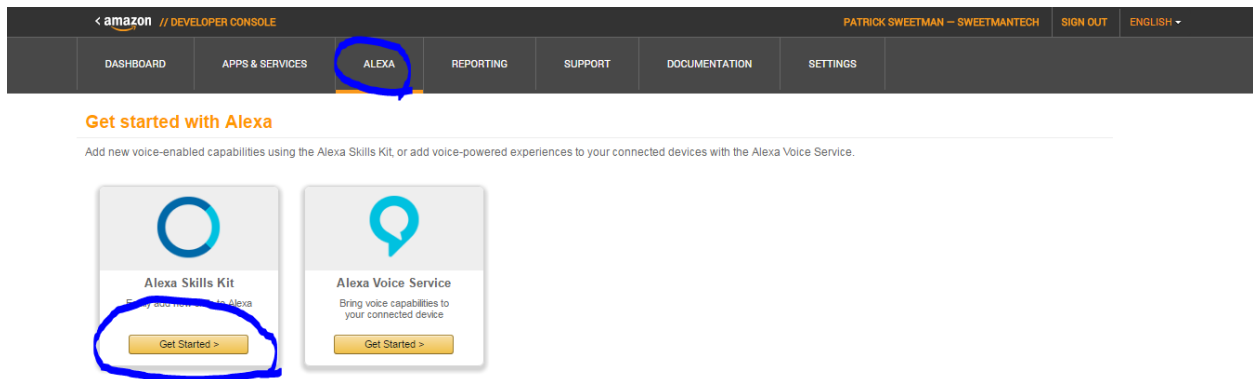
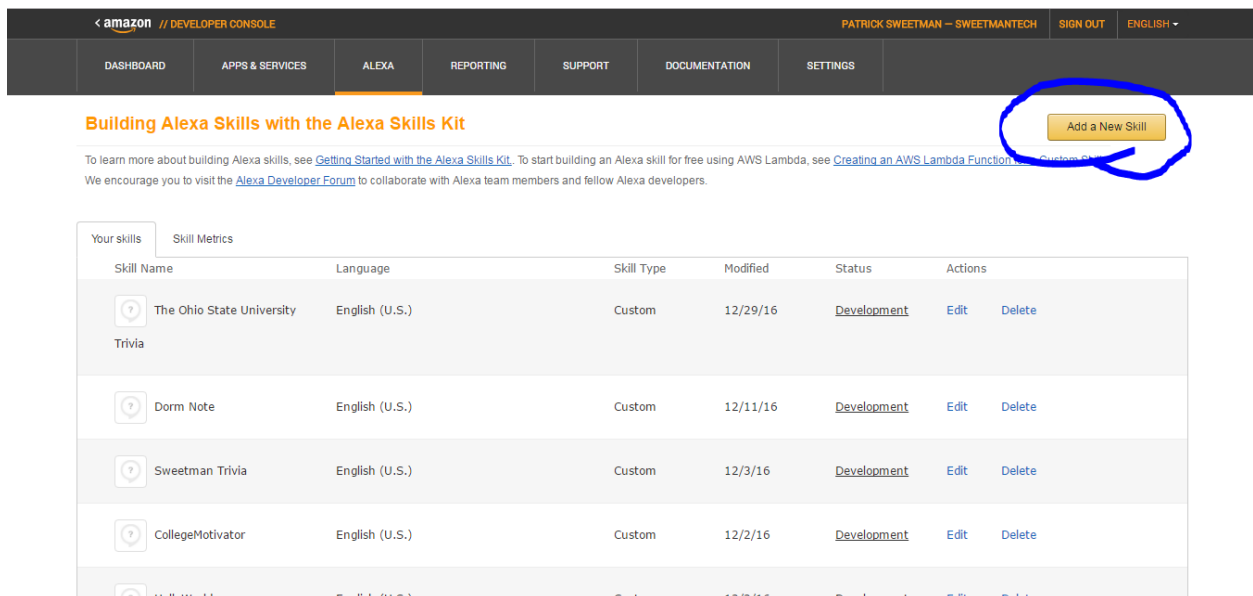


1) Open Amazon Developer Console (found here: <https://developer.amazon.com/>)

2) **Select** Alexa in top bar then click “Get Started”



3) “Add a New Skill”



4) You should be redirected to the Skill Information page. This page allows you to give your alexa skill a name which will be seen in app store and in Alexa app (must be unique) and an Invocation Name which is the nickname users call your app when you want it to be launched. Name both of these whatever you would like.

< Back to All Skills

Create a New Alexa Skill

Skill Information ✓

Interaction Model ✓

Configuration ✓

SSL Certificate ✓

Test ✓

Publishing Information ✓

Privacy & Compliance ✓

Skill Type
Define a custom interaction model or use one of the predefined skill APIs. [Learn more](#)

☒ Custom Interaction Model
☐ Smart Home Skill API
☐ Flash Briefing Skill API

Language
Language of your skill: English (U.S.)

Name
Name of the skill that is displayed to customers in the Alexa app. Must be between 2-50 characters.

Invocation Name
Name used to activate the skill. For example, "Alexa ask Tide Pooler...".
[Invocation Name Guidelines](#)

Global Fields
These fields apply to all languages supported by the skill.

Audio Player
Does this skill use the audio player directives? [Learn more](#) ☐ Yes ☒ No

Save Next

5) **Paste** the IntentSchema.json file (found in SpeechAssets folder of Github repository) in “Intent Schema” section of page. The intent schema section is used to connect the Sample Utterances to the AWS Lambda server function in json format.

< Back to All Skills Getting Started

The Ohio State University Trivia
Custom
ID: amzn1.ask.skill.11d10117-10bd-4eb3-ba0d-a971c02e206a

Skill Information ✓

Interaction Model ✓

Configuration ✓

Test ✓

Publishing Information (i)

Privacy & Compliance (i)

Intent Schema
Define your intents in JSON format. For more information, see [Intent Schema](#).
Also see [built-in slots](#) and [built-in intents](#).

```

31 {
32   "intent": "AMAZON.HelpIntent"
33 },
34 {
35   "intent": "AMAZON.YesIntent"
36 },
37 {
38   "intent": "AMAZON.NoIntent"
39 },
40 {
41   "intent": "AMAZON.StopIntent"
42 },
43 }

```

Custom Slot Types (Optional)
Custom slot types to be referenced by the Intent Schema and Sample Utterances
For general information about custom slots, see [Custom Slot Types](#).
Examples: TOPPINGS - cheese | onions | ham (note: newlines displayed as | for brevity)

Add Slot Type

Type	Values
LIST_OF_ANSWERS	1 2 3

Edit

6) **Next**, click “Add slot type” and create a new slot with name “LIST_OF_ANSWERS” and values “1,2,3” (line-separated). These values are referenced in the javascript code so modification of these slots may affect the skill usability. **Once** you have added the new slot, copy the text from SampleUtterances.txt (found in SpeechAssets folder of Github repository) to the Sample Utterances section.

40 "intent": "AMAZON.StopIntent"

41 }

Custom Slot Types (Optional)
Custom slot types to be referenced by the Intent Schema and Sample Utterances
For general information about custom slots, see [Custom Slot Types](#).
Example: TOPPINGS - cheese | onions | ham (note: newlines displayed as | for brevity)

[Add Slot Type](#)

Values

LIST_OF_ANSWERS 1 | 2 | 3 [Edit](#)

NUMBER_OF_PLAYERS 1 | 2 [Edit](#)

Sample Utterances
Type or paste in all the ways that people can invoke the intents. [Learn more](#)

These will be used as Example Phrases and will be used to train the model.

```

6 AnswerIntent Answer (Answer)
7
8 DontKnowIntent I do not know
9 DontKnowIntent I don't know
10 DontKnowIntent dunno
11 DontKnowIntent IDK
12
13 AMAZON.StartOverIntent start game
14 AMAZON.StartOverIntent new game
15 AMAZON.StartOverIntent start
16 AMAZON.StartOverIntent start new game

```

[Save](#) [Submit for Certification](#) [Next](#)

7) Now we are on the “Configuration” page and need the AWS Lambda function address from our node.js function. We will get the AWS Lambda ARN in the next step

English (U.S.) [Add New Language](#)

Skill Information ☒

Interaction Model ☒

Configuration ☒

Test ☒

Publishing Information ☒

Privacy & Compliance ☒

Global Fields
These fields apply to all languages supported by the skill.

Endpoint

Service Endpoint Type: ☒ AWS Lambda ARN (Amazon Resource Name) [?](#) ☐ HTTPS

[Recommended](#)

[AWS Lambda is a serverless compute service that executes your code in response to events and automatically manages the underlying compute resources for you.](#)
[More info about AWS Lambda](#)
[How to integrate AWS Lambda with Alexa](#)

Pick a geographical region that is closest to your target customers: [?](#)

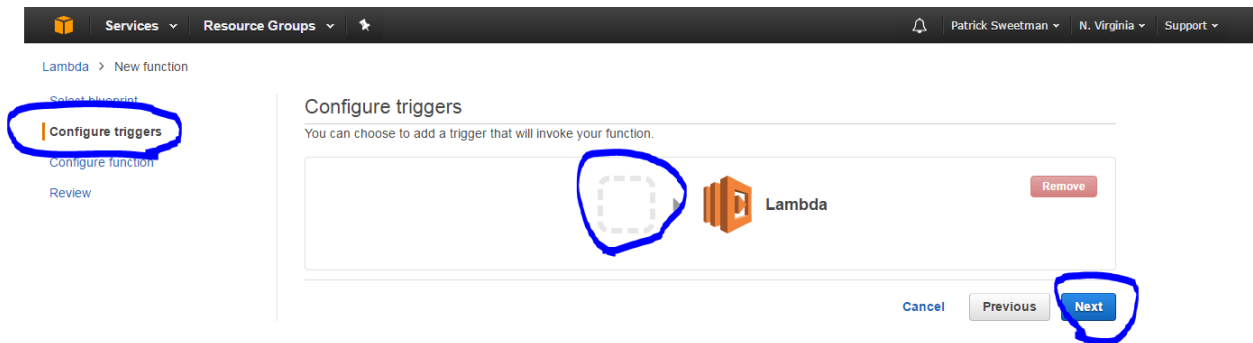
☒ North America

North America

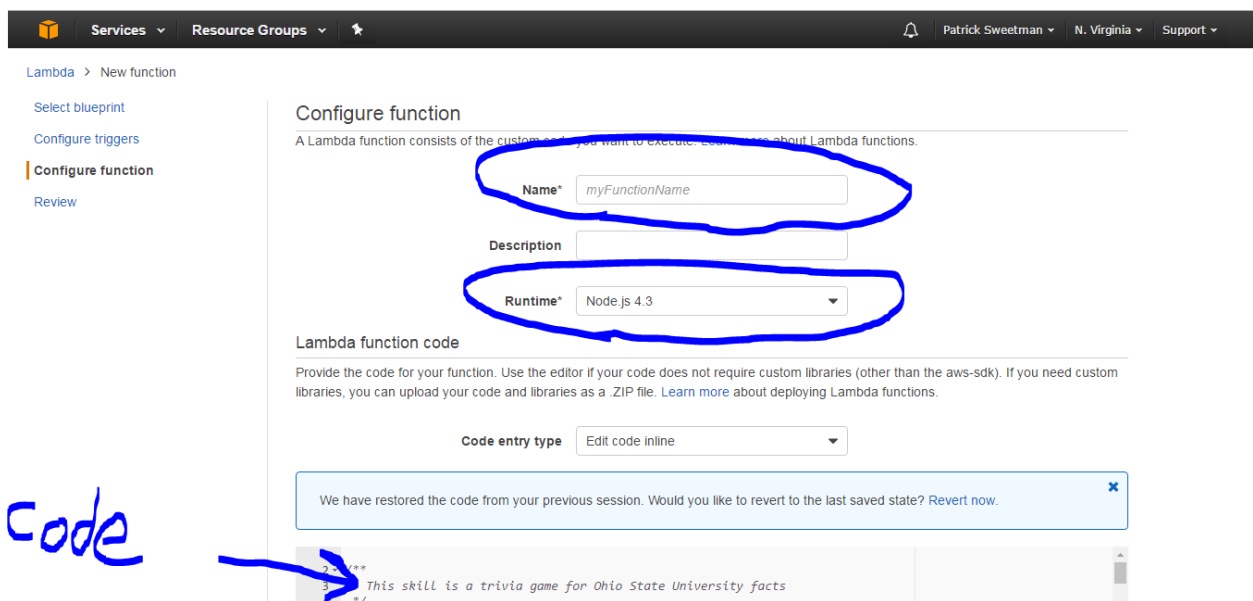
Account Linking

Do you allow users to create an account or link to an existing account with you? ☐ Yes ☒ No [Learn more](#)

8) **Open** the AWS Console (<https://console.aws.amazon.com/console/home?region=us-east-1>). **Make** sure your location is set to “N. Virginia”. **Then** select “Lambda”



11) **Create** a name for your function, **set** “runtime” to “Node.js 4.3”, and **paste** index.js (found in SpeechAssets folder of Github repository) in “Lambda Function Code”



12) Below, **copy** information for “Lambda function handler and role” from the screenshot.

```

36         "the best damn band in the land.",
37         "the scarlet and grey band.",
38         "OSU marching band."
39     ]
40 }

```

You can define Environment Variables as key-value pairs that are accessible from your function code. These are useful to store configuration settings without the need to change function code. [Learn more](#). For storing sensitive information, we recommend encrypting values using KMS and the console's encryption helpers.

Enable encryption helpers ☐

Environment variables

Key	Value
-----	-------

Lambda function handler and role

Handler* ⓘ

Role* ⓘ

Existing role* ⓘ

Advanced settings

These settings allow you to control the code execution performance and costs for your Lambda function. Changing your resource settings (by selecting memory) or changing the timeout may impact your function cost. [Learn more](#) about how Lambda pricing works.

Memory (MB)* ⓘ

13) "Next"

Timeout* min sec

AWS Lambda will automatically retry failed executions for asynchronous invocations. You can additionally optionally configure Lambda to forward payloads that were not processed to a dead-letter queue (DLQ), such as an SQS queue or an SNS topic. [Learn more](#) about Lambda's [retry policy](#) and [DLQs](#). **Please ensure your role has appropriate permissions to access the DLQ resource.**

DLQ Resource ⓘ

All AWS Lambda functions run securely inside a default system-managed VPC. However, you can optionally configure Lambda to access resources, such as databases, within your custom VPC. [Learn more](#) about accessing VPCs within Lambda. **Please ensure your role has appropriate permissions to configure VPC.**

VPC ⓘ

Environment variables are encrypted at rest using a default Lambda service key. You can change the key below to one of your account's keys or paste in a full KMS key ARN.

KMS key ⓘ

* These fields are required.

[Cancel](#)

[Previous](#)

[Next](#)

[Feedback](#) [English](#)

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14) "Create Function"

Environment variables

Handler index.handler

Role name* basi

Policy templates

DLQ Resource

Memory (MB) 128

Timeout 3

VPC No VPC

KMS key (default) aws/lambda

Cancel Previous Export function **Create function**

Feedback English © 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

15) Copy the ARN at top of the page

AWS Lambda

Services ▾ Resource Groups ▾ ☆

Lambda > Functions > DemoForInstructions

ARN: arn:aws:lambda:us-east-1:506612991000:function:DemoForInstructions

Qualifiers ▾ Test Actions ▾

Congratulations! Your Lambda function "DemoForInstructions" has been successfully created. You can now click on the "Test" button to input a test event and test your function.

Code Configuration Triggers Monitoring

Code entry type Edit code inline

```
1  /**
2  * This skill is a trivia game for Ohio State University facts
3  */
4
5  'use strict';
6
7  /**
8  * First Answer is correct one. Make sure you use question marks or periods.
9  * Set at Least 3 answers, any extras will be shuffled in.
10 */
11
12 var questions = [
13   {
14     "What's the name of the Ohio State University's mascot?": [
15       "Brutus Buckeye",
```

16) Paste the ARN in the correct field and click "Next"

Skill Information ✓
Interaction Model ✓
Configuration ✓
Test ✓
Publishing Information ✗
Privacy & Compliance ✗

Global Fields

These fields apply to all languages supported by the skill.

Endpoint

Service Endpoint Type:

☒ AWS Lambda ARN (Amazon Resource Name) ⓘ
Recommended

AWS Lambda is a server-less compute service that runs your code in response to events and automatically manages the underlying compute resources for you.

[More info about AWS Lambda](#)

[How to integrate AWS Lambda with Alexa](#)

☐ HTTPS

Pick a geographical region that is closest to your target customers: ⓘ

☒ North America
☐ Europe

Account Linking

Do you allow users to create an account or link to an existing account with you?

☒ Yes
☐ No

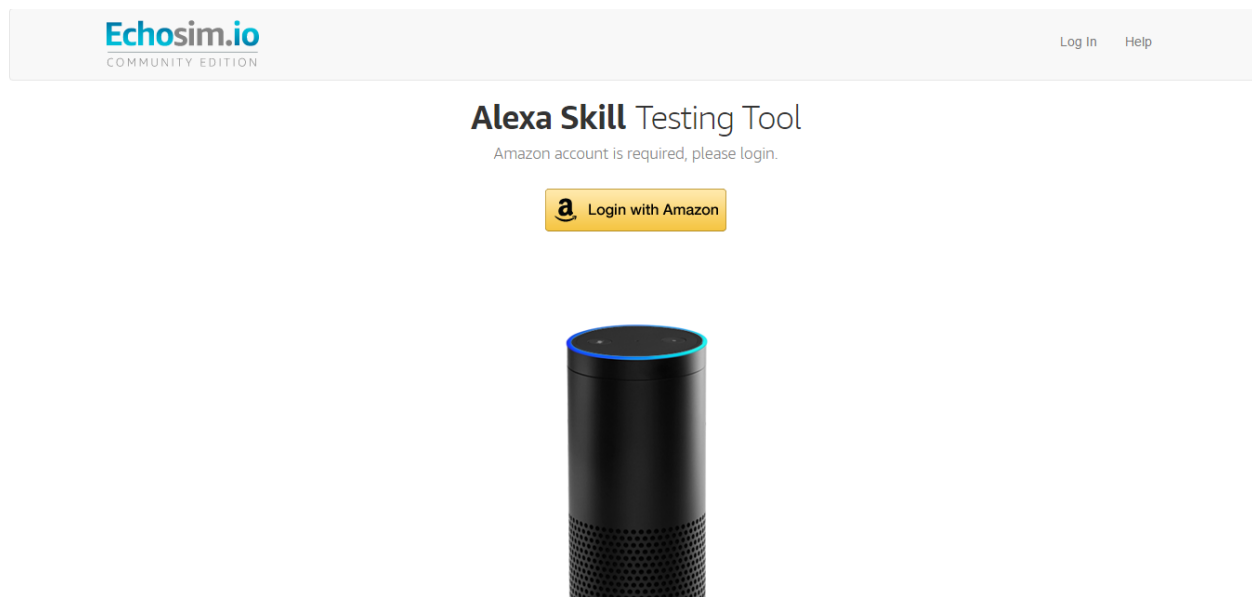
[Learn more](#)

Save

Submit for Certification

Next

17) **Done** run code using personal Alexa-enabled device or using the online simulator found here: <https://echosim.io/welcome?next=%2F>



Hope you enjoyed the tutorial! Please let me know if you have any questions or comments!