Tool Stack Used

I looked at both VS Code and Pycharm and found that Pycharm CE was best for SAM development for Python. VS Code could be better for other languages.

* Pycharm CE

Steps:

* Create Front End using voiceflow designer and alexa development console
* Create Back End using Lambda, DynamoDB, and S3
  + Create Dynamo DB Tables – 6 of them
* Connect Front End and Back End
* Test using Alexa Developer Console and other tools?

# Create Backend

## Lambda

* Create lambda zip:
  + First include all libraries from the python virtual environment “site package”
* cd package
* zip -r ../my-deployment-package.zip .
  + Then add the lambda file to the zip:
* cd ..
* zip -g my-deployment-package.zip lambda\_function.py
* Deploy
  + ~/my-function$ aws lambda update-function-code --function-name acg-lambda-func --zip-file fileb://my-deployment-package.zip
* To search remote CloudWatch logs:
  + sam logs -n acg-lambda-func --filter error
  + sam logs -n acg-lambda-func --filter '<some string>'

# Working with Pycharm CE

Install AWS Toolkit plugin

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Deploy:

Everything that is needed to build and deploy is derived from the template.yaml

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# E2E Test in the Alexa Developer Console

Utterance “open adventure guru”

Test Card Code

Test Template Code

Test APL Code