The following exercise should take about no more than two (2) to finish for someone who hasn't worked on AWS CDK before.

Create an application through CDK, **not through the AWS console,** that deploys the following resources:

1. A lambda function that contains a simple REST GET API that returns “hello world”
2. API Gateway with the endpoint for the lambda function
3. Cognito user pool, that authenticates and authorizes the use of the API
4. Relevant IAM permissions.

Once the candidate has completed this exercise, they should send the CDK code to hr@futuralis.com . It will then be forwarded to the technical team for review.

If there are any questions about this exercise, those questions should also be directed to hr@futuralis.com so they can be forwarded to the technical team.