

# KNIGHT HACKS



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# Before we begin:

Please go to  
<https://developer.amazon.com/en-US/alexa/> and  
create an account.

...and while we do that, a short survey!

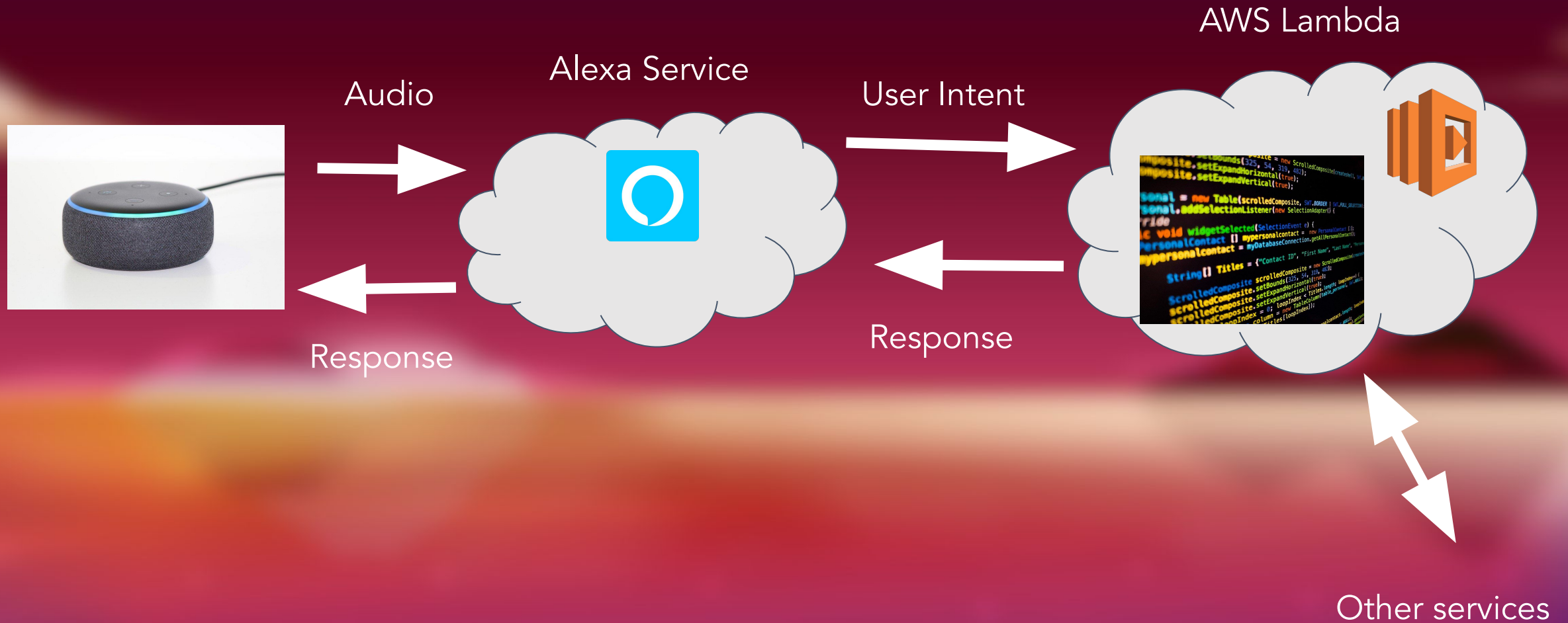
# How do voice assistant skills even work?

- Don't I have to write code for voice recognition?
- Don't I need to have a server for my skill?
- I've never built an app before, this must be hard...
- Users can say things in so many different ways, how do you figure out what they want?

# Don't worry!

- Amazon has done the hard parts of text to speech and determining intent for you!
- We can host our code serverlessly
- Decent tools for building skills exist
- Pick your favorite programming language!

# The Skill Workflow





# Determining User Intent

- We need to find an action to fulfill the user's spoken request
- We do this by creating a *voice interaction model*

Utterances

- *What's GME trading at?*
- *What's the price of AAPL?*
- *How is MSFT doing?*
- *What is the share price of AMZN?*



Intent

Stock Price Intent  
{tickerSymbol}

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HACKS**