Centralized Community Speaker request portal using AWS

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Problem Statement

1. Developer communities finds it **difficult to choose a speaker** to host their sessions.
2. They must manually shortlist about 5 to 10 speakers based on the domain, contact them in-person and check whether they're available at that particular slot.
3. This is a **hectic task** for the organizers of the event.
4. **Also at times, the email may end up in the spam folder of the speaker and goes unnoticed. Here, it's a loss both for the speaker and the community.**

Proposed Solution

To develop a centralised portal for community speakers, where they can register their profile and communities can approach the speaker through the platform rather than sending email directly to the speaker.

Features

- Speakers can register and list down their areas of interest, technical expertise, social handles
- The communities can search for speakers based on
  - Theme of the event
  - Community member
  - Speakers expertise
  - Language
  - Availability
  - Location based (Hybrid / in-person events)
- The community organisers can shortlist and send invites to speakers
- The speakers receive invites over their email which is hidden from organiser

- The invited speaker gets information about the community, event, type of event - online/ off-line/hybrid and then decide to accept/ reject the invite
- Once the speaker decides to accept, the speaker gets a sessionize link to submit the CFP. The speaker also gets contact forums / email address / social handle of the community organiser.
- If the speaker rejects the invite, the organiser is notified regarding the same
- The platform will also include features to chat and connect with speakers as well.

Benefits

Optimise time: This will ***greatly save the time of community leads***, and helps them to identify the most appropriate speaker to host sessions.

Cost-efficient: For in-person events, communities can ***filter speakers based on locations***, thereby cutting down providing reimbursement for travel and accommodation to the speakers.

Benefits - contd.

Spam-free: Also will not be spammed with emails, since the email ID of the speaker will not be revealed to the community unless the speaker accepts the offer.

Bring out potential talent: Another problem is that many **prominent speakers go unnoticed**, since they are not given a chance to perform. But this idea will provide a way to **_bring out the hidden speakers with a stand out profile out of the box_**, by bridging them with the developer communities and providing them an opportunity to perform.

Novelty of the Solution

The solution we are proposing is the first ever technical / community based speaker central platform to search / contact and book speakers.
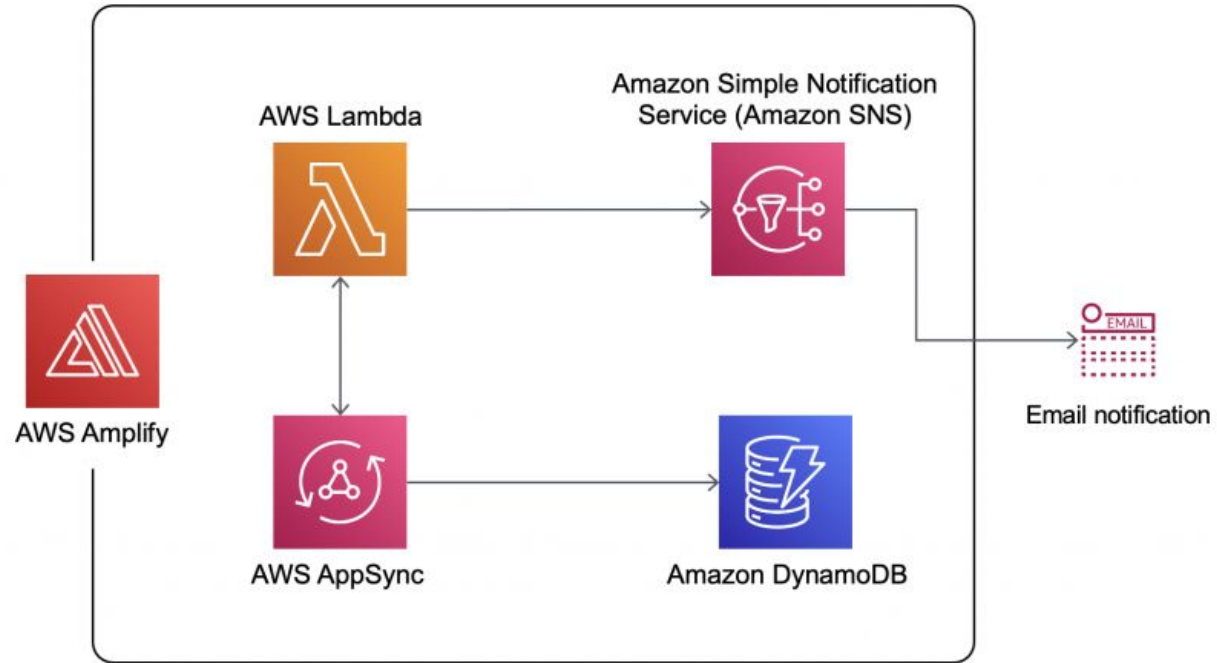
Sessionize has features for event and speaker management, but **lacks a speaker request feature.**

AWS Services Used

➜ Amazon Cognito

➜ Amazon SNS

➜ Amazon Amplify

➜ Amazon S3 Bucket and DynamoDB

➜ Amazon Kendra

Architecture

Steps of Implementation

➔ Create an AWS CloudFormation Template
➔ Create a Stack
➔ Approve the Amazon SNS Subscription
➔ Run an Execution