



Mycroft AI - The Open Source Privacy- Focused Voice Assistant

Development of an Event Finder Skill

by Christian Binkert, February 2022



Agenda

1. Problem
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 - Information on Current Events
 - Information on Events on a Specific Date
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Problem



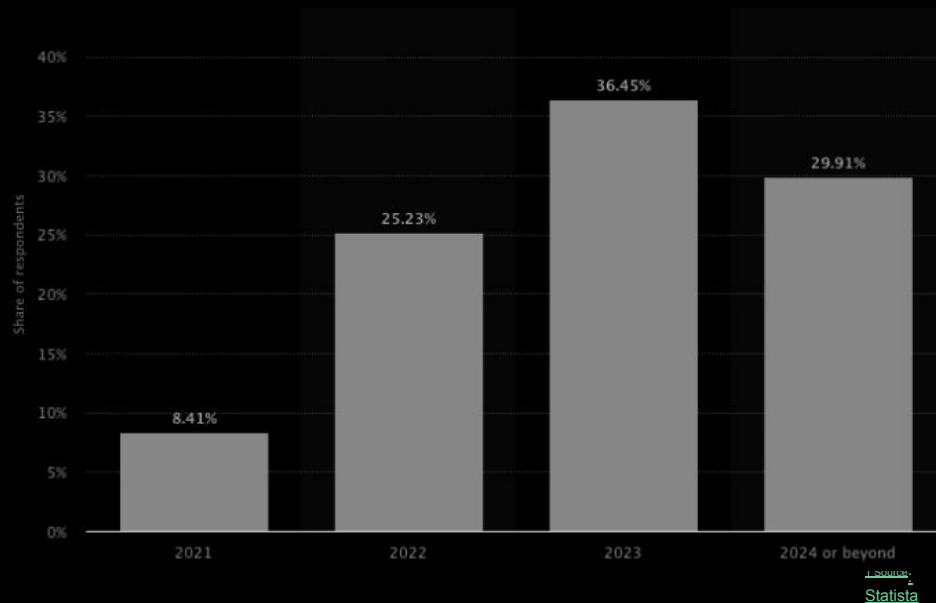
Massive, industry-wide cuts across the events industry with the Corona outbreak:

- Sport events
- Live concerts
- Trade fairs
- Private events like weddings, graduation ceremonies



Tough comeback after absolute ground zero, as one third expects business to recover in 2025.

Expected return to 100% pre-covid revenue



Idea



Introduction of the Event Finder Skill to:

- Provide an easy, state of the art possibility to find the current / upcoming / closest events that suit you by using the Mycroft voice-assistant.
- Thereby fostering the actual return and re-adoption of the society to well, just go out again.
- And eventually, helping the event industry to return faster to pre-covid revenue!

Potential “upside”:

- *“Popular Skills are popular because people use them frequently”¹* → The Event Finder Skill could be used on a daily or weekly basis.
- Neither Mycroft nor Alexa provide that skill yet.

User:

“What events are taking place on sunday?” 😊

Mycroft:

“Helene Fischer will be in Stuttgart on April, 15, 2022” 🐶

Supported Intents: Get Information on Current Events



User:

"Which event is taking place in the upcoming weeks?" 🤔

Mycroft:

"Helene Fischer will be in Stuttgart on April, 15, 2022" 🎤

User:

"Which event is taking place in the upcoming weeks in Berlin?" 🗺️

Mycroft:

"On April, 15, 2022 Blue Man Group will be in town" 🧑

Supported Intents: Get Information for Events on a Specific Date



User:

"Which events are taking place on sunday?" 🎉

Mycroft:

"On April, 17, 2022 Tanz der Vampire will be in town." 🧛‍♀️

User:

"Which event is taking place on the 31st of december in New York?" 🗼

Mycroft:

"Broadway Nights will take place on december, 31, 2022 in New York" 🌃

Overview over Supported Intents



Location / Datetime	Without location → Default location of the device.	With location → Determine long- and latitude of the city requested.
Without specific datetime → Determine current datetime.	Determine the next events for the current datetime. Using the default location of the device.	Determine the next events for the current datetime. Determining the long- and latitude of the city requested.
With specific datetime → Determine intended datetime.	Determine the next events on or after the date requested. Using the default location of the device.	Determine the next events on or after the date requested. Determining the long- and latitude of the city requested.



Limitations

The following limitations apply to the Eventfinder skill, that serve as a natural starting point for further improvement:

- Unfortunately, the user can't request further information about the events that are retrieved in the initial response, although information on ticket prices as well as opening hours might be useful.
- So far, the skill only provides the nearest event for the desired time, while providing a list of suitable events for the desired time could also be of interest for the user.
- As a US based company, Ticketmaster seems to list more information from the United States, while the coverage of shows in Germany could be improved.



Thank you!