

expo QPA 24

MADRID
May 28th,
29th, 30th
2024

expoqa.com

La Cucaracha

Revolutionising bug
management with AI &
automation

Anais van Asselt
May 29, 2024

Agenda

- Introduction
- 2 AI hackathons;
 - Challenge
 - Solution (process, AI & Automation)
 - Outcomes
- Lessons learned
- (Code & Github CoPilot)

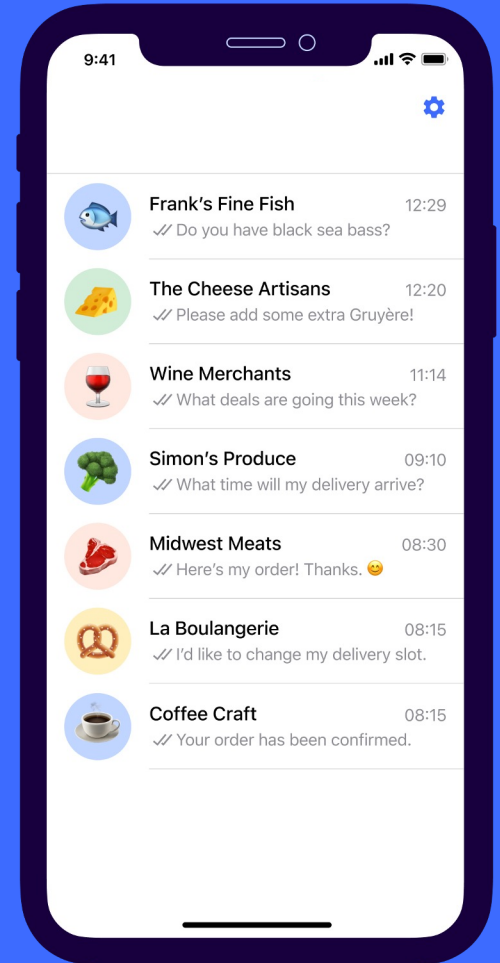
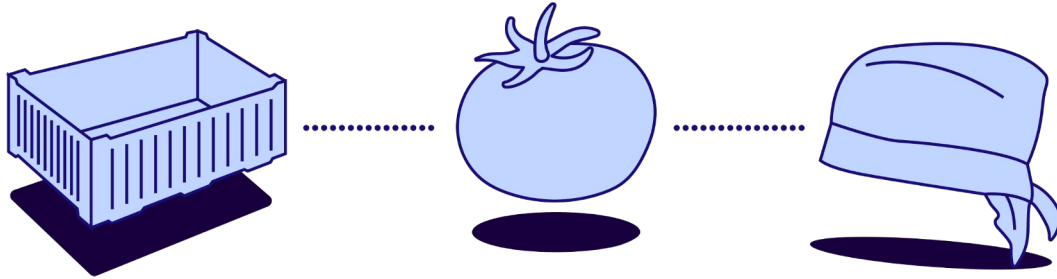
Introduction

Anais van Asselt
Senior QA & Test Automation



**JOIN US IN OUR
MISSION TO
REDUCE FOOD
WASTE!**

CHOCO





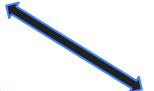
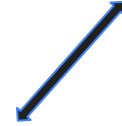
AI Hackathon 1

Imagine...



‘Bug Duty Officer’





4.29

5m

7.15h





... To the rescue!

Data

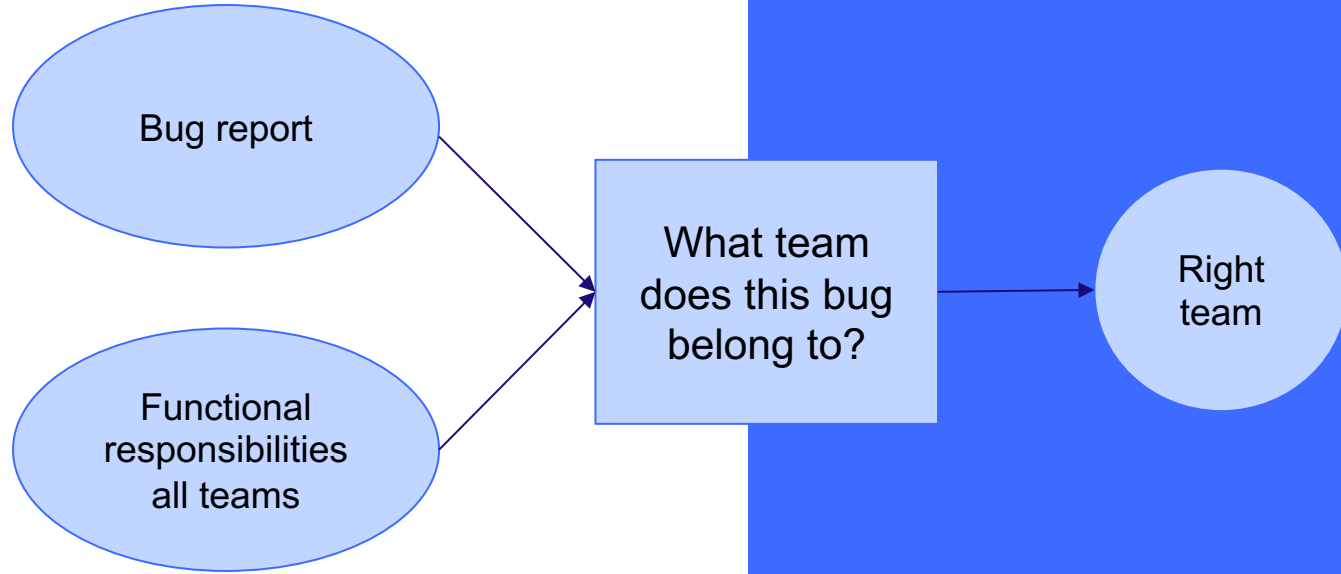
EM



QA

DEV







How can I help you today?

Write a Python script

to automate sending daily email reports

Write a thank-you note

to my interviewer

Recommend a dish

to impress a date who's a picky eater

Plan a trip

for a photography expedition in Iceland

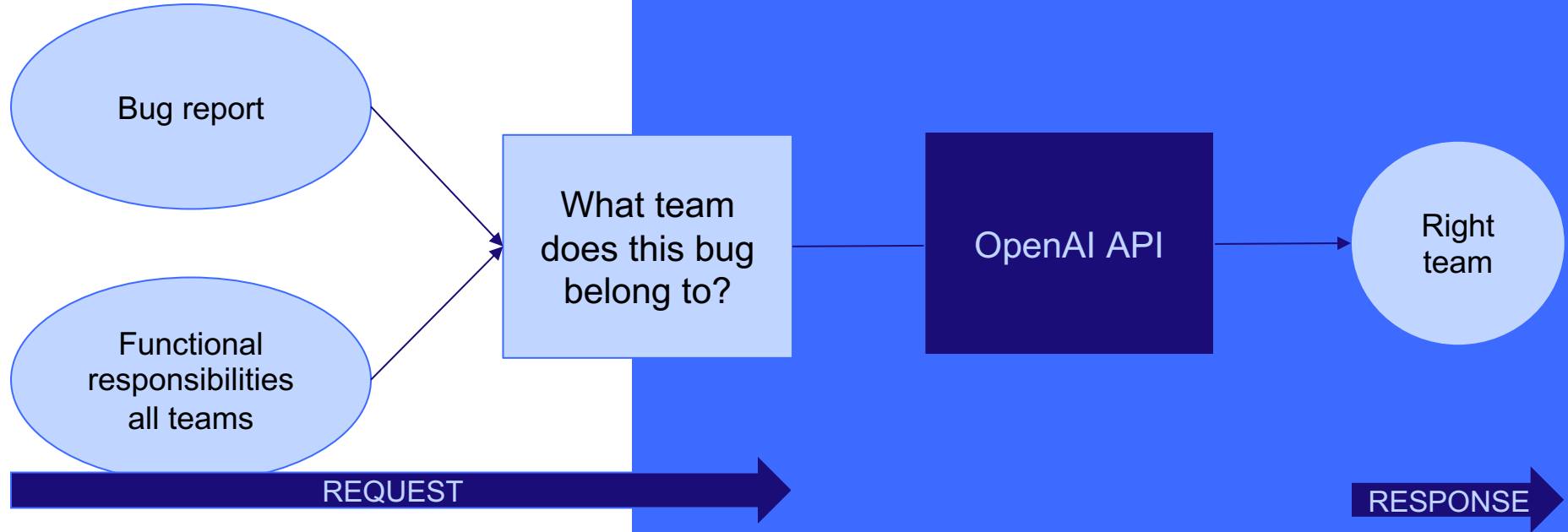
Assign the reported bug to the right team. I will give you contextual information about the organisation along with the 6 different teams. The organisation has built an app that helps restaurants and suppliers manage their orders better.

- This is the context of the 6 teams



- This is the bug reported







Submit an Web bug



Current Behavior

Write something

If applicable, add steps to reproduce the current behavior.

Expected Behavior

Write something

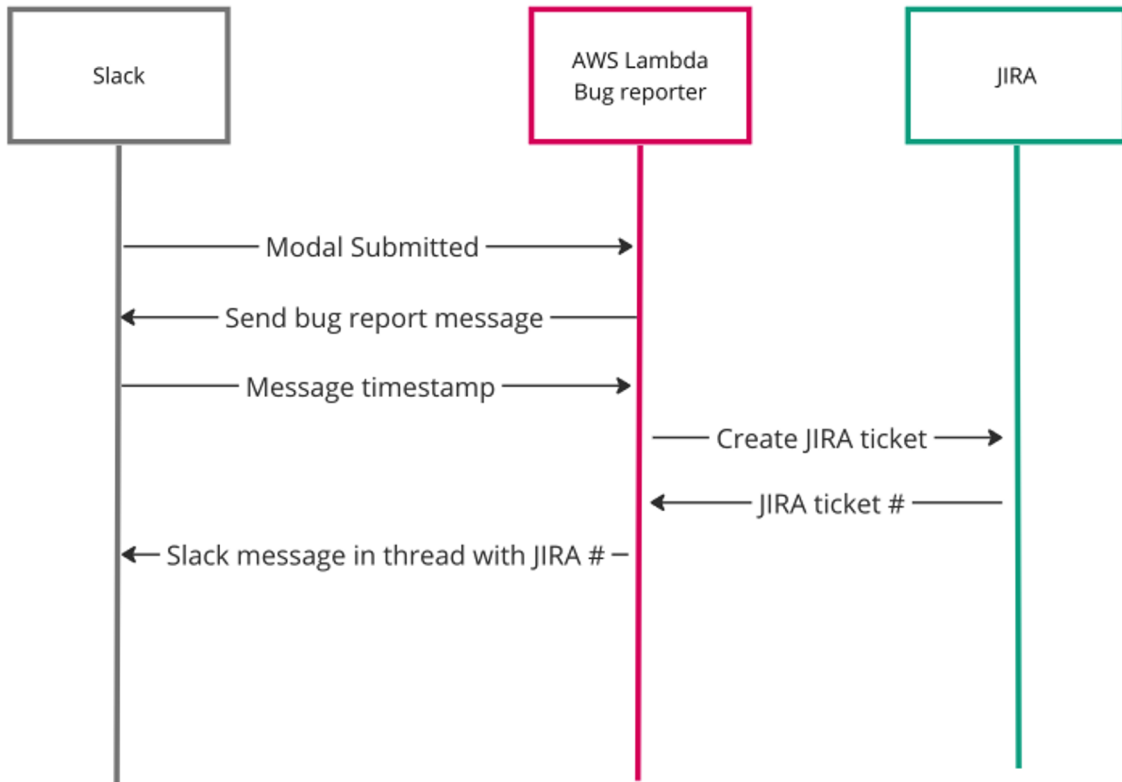
Affected users

- Premium vendor
- Monetised buyer
- Buyer
- Vendor

Severity/impact of the issue (examples of [impact categories](#)*)

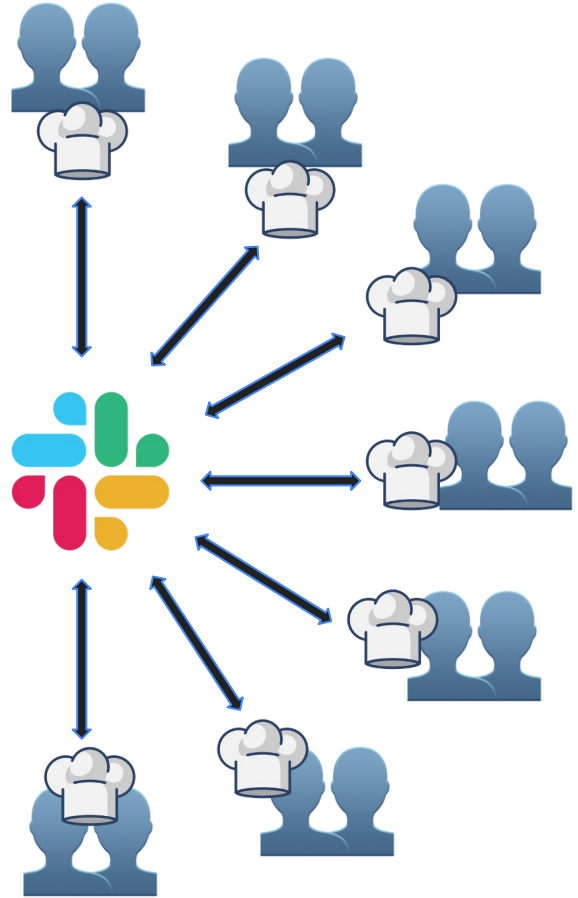
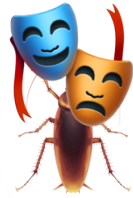
Cancel Report

Submit Report





**Demo Demo
Bing On Bing Assignment**



70-90%



- Structure big text in key/value pairs
- More words = more confusion = more tokens
- Specific words
- GPT 3 to 4

<10\$



- 100 bugs per month
- gpt-4-1106-preview

Choco AI



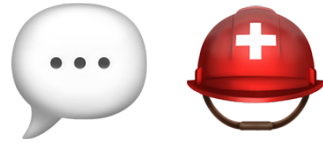
CHOCO DIGITIZES 100% OF DISTRIBUTORS' ORDERS

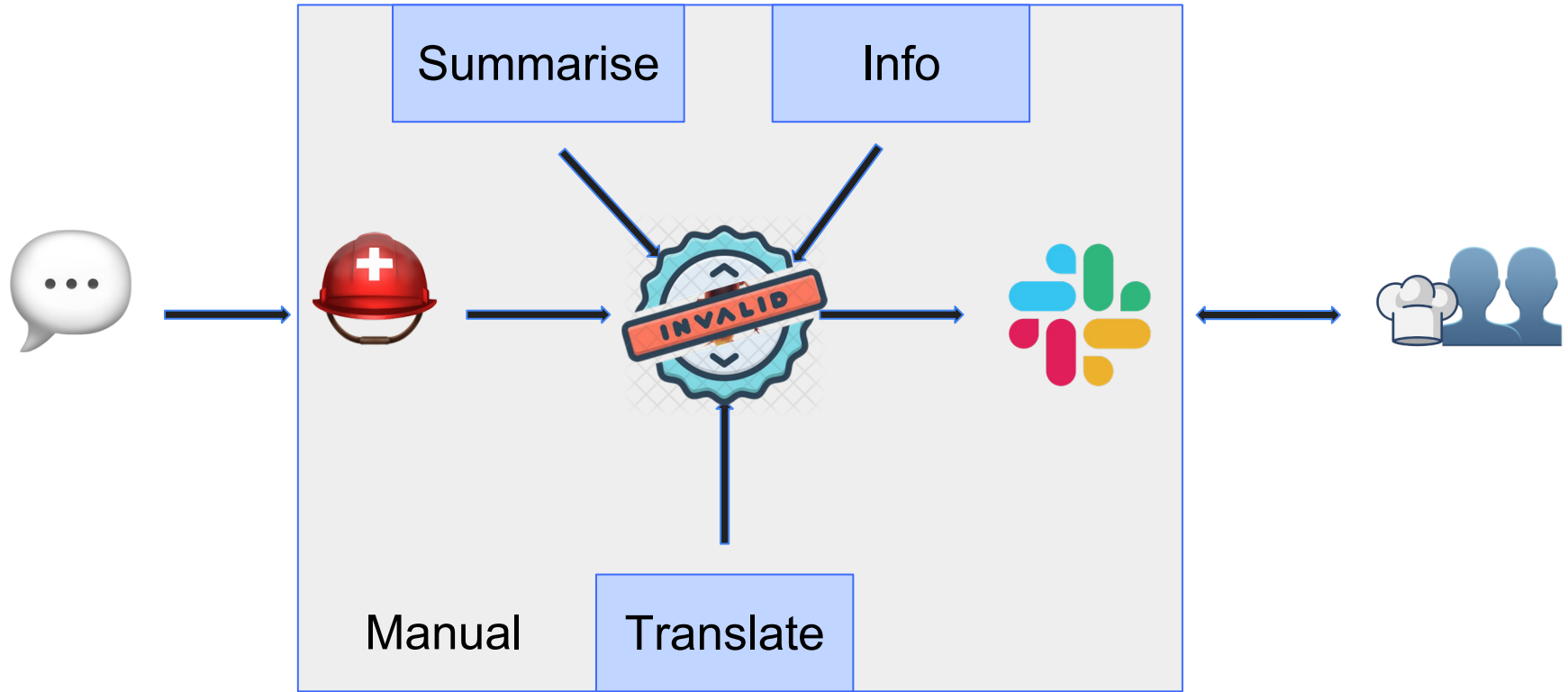




AI Hackathon 2

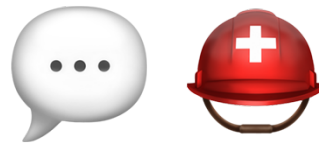
Imagine...





218

74%





... To the rescue!

CS

Platform
2x

QA

Mobile



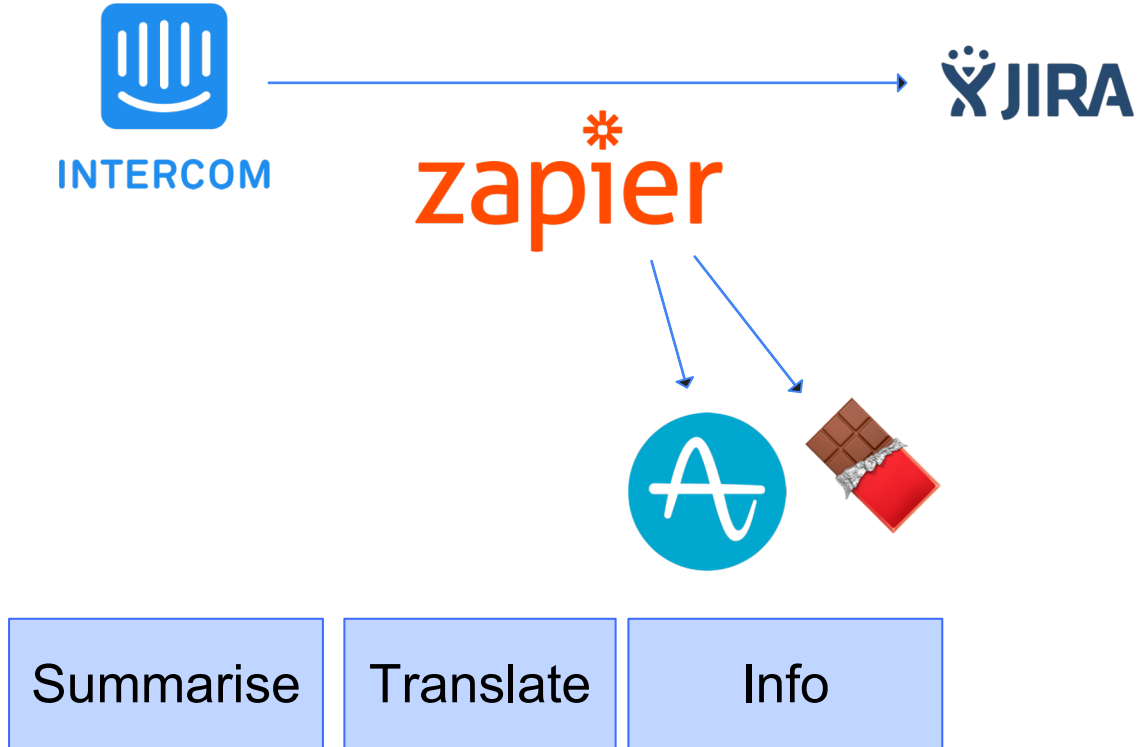
INTERCOM



JIRA

Integration

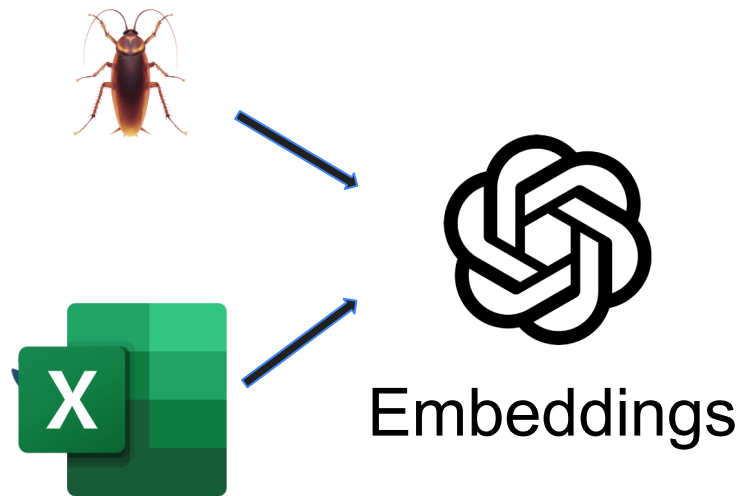
Bug Data

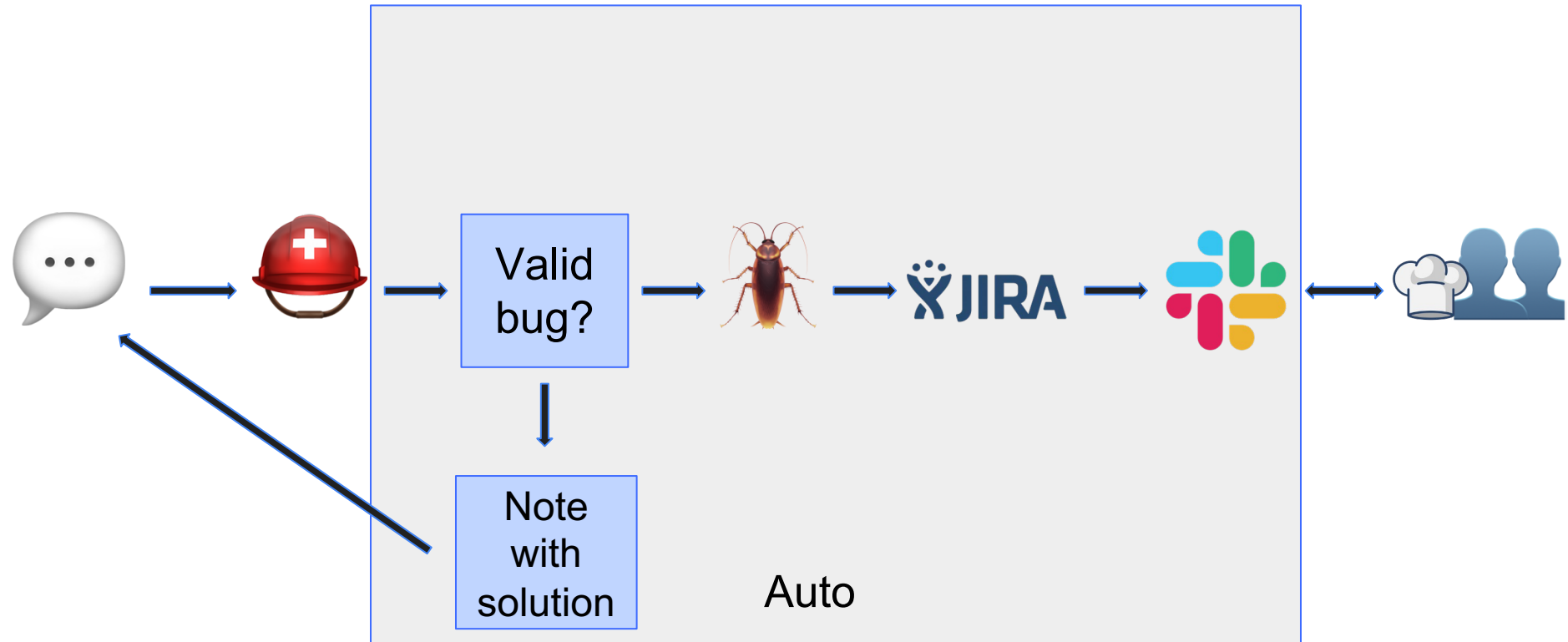




**Demo Demo
Bug Creation Bug Creation**

Verify Bug Validity







Demo Demo
Budget Cancellation Validity Bug



solution

Auto

Lessons Learned

- **Hackathons** = rapid prototyping and learning
- **Steps to revolutionise your workflow**
 - Draw it out
 - What info do you need?
 - MVP
- **Boost AI accuracy**
 - Structure the format
 - Keep it concise
 - Embeddings for large datasets



Questions?



[medium.com/
@anais.vanasselt](https://medium.com/@anais.vanasselt)



@Anais_vanAsselt



expo **QA** 24

MADRID
May 28th,
29th, 30th
2024

Thank you for attending

expoqa.com