{ DevFest 2026 }

When Agent Responses Become Interfaces

A2UI with Angular



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Which flight would you pick?

Flights | Seat | Traveller | Payment | Receipt

Chat only

Traveller

Fly Nairobi to Mombasa on Friday for under KES 8,000.

Agent

JM-204 leaves at 08:10 for KES 7,400. KQ-312 leaves at 11:40 for KES 7,850. SF-106 leaves at 16:20 for KES 8,250. Which flight?

With A2UI Illustration

Nairobi to Mombasa

Friday, 27 Nov · Budget KES 8,000

JM-204	08:10 departure	**KES 7,400** Lowest fare
KQ-312	11:40 departure	**KES 7,850** Within budget
SF-106	16:20 departure	**KES 8,250** Over budget

A window seat

Flights | **Seat** | Traveller | Payment | Receipt

Chat only

Traveller
I'd like a window seat.

Agent
In row 12, A, C, E, and F are available. B and D are taken. A and F are window seats. Which one?

Traveller
12A.

With A2UI Illustration

JM-204 seat map

Window			Aisle		Window
×	10B	10C	10D	10E	10F
11A	11B	×	11D	11E	11F
✓ 12A	×	12C	×	12E	12F

× Occupied · ✓ Selected

Confirm 12A

Passenger details

Flights | Seat | **Traveller** | Payment | Receipt

Chat only

Agent
Send your first name, last name, email, and passport number.

Traveller
Alex Demo, alxe@example.com, DEMO0001.

Traveller
The email is alex@example.com. Please keep the other details.

With A2UI Illustration

Passenger details

JM-204 · Seat 12A

First name Alex

Last name Demo

Email alex@example.com

Passport number DEMO0001

4 required fields filled

Continue

The total before you pay

Flights | Seat | Traveller | **Payment** | Receipt

Chat only

Agent
You chose JM-204 from Nairobi to Mombasa, seat 12A. The total is KES 7,400. Open checkout to continue.

Traveller
Let me check the seat and the price.

With A2UI Illustration

Your trip

Route	**Nairobi to Mombasa**
Flight	**JM-204 at 08:10**
Seat	**12A**
Total	**KES 7,400**

Simulated checkout

Pay KES 7,400

Your booking reference

Flights | Seat | Traveller | Payment | **Receipt**

Chat only

Agent

You’re booked on JM-204 from Nairobi to Mombasa at 08:10. Your reference is DEMO-740. Your seat is 12A and you paid KES 7,400.

With A2UI Illustration

Booking confirmed

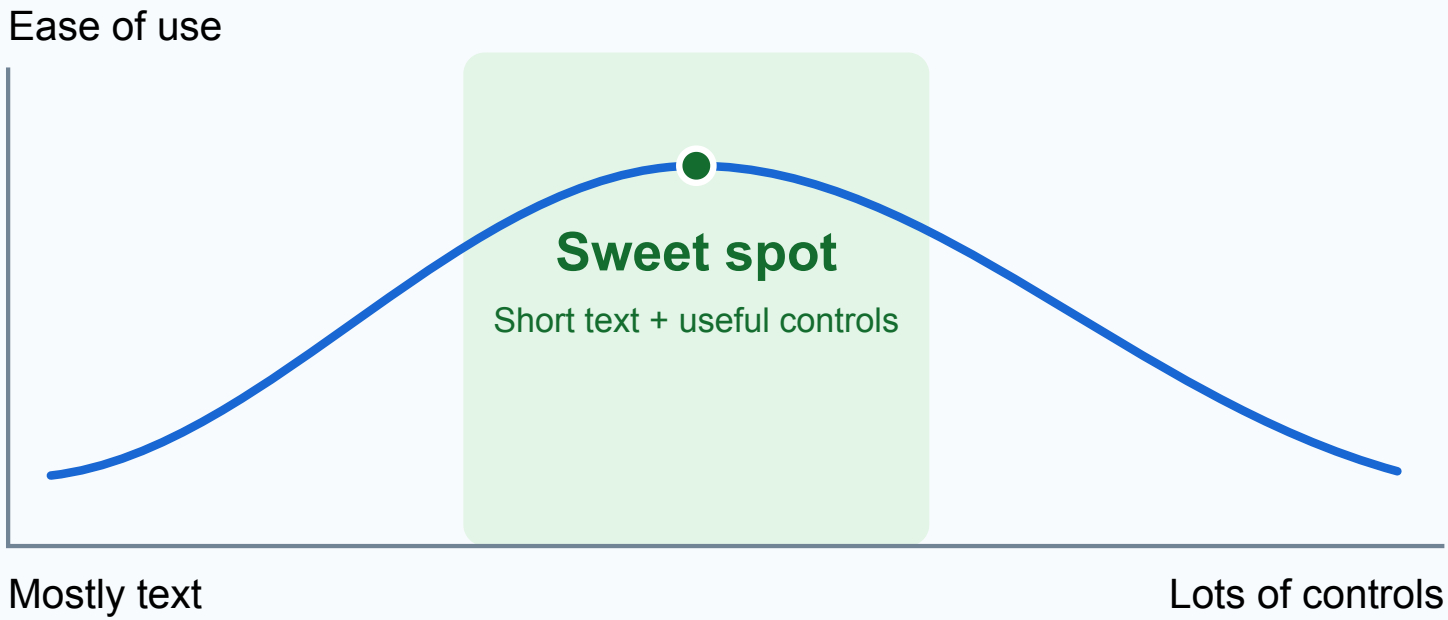
Booking reference

DEMO-740

Flight	**JM-204 at 08:10**
Seat	**12A**
Amount paid	**KES 7,400**

Simulated booking · Nairobi to Mombasa

How much UI is enough?



Illustrative curve · The best mix depends on the task · Research by Chen et al.

Which months went over budget?

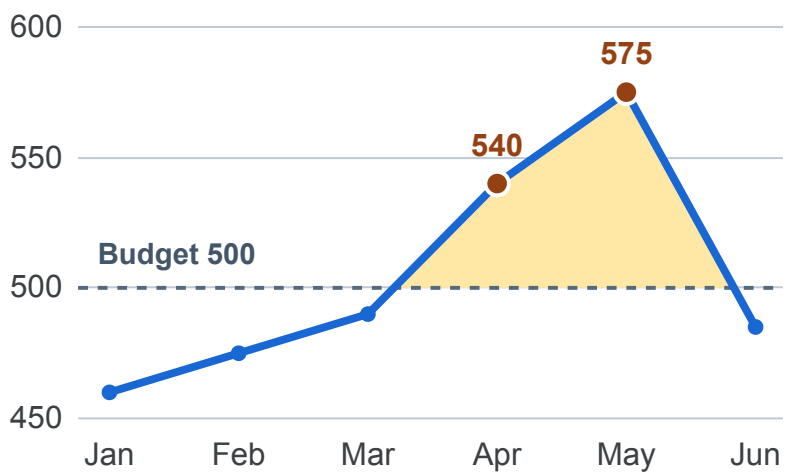
A shop’s monthly expenses in KES thousands

Markdown response

Budget of KES 500,000 each month.

Month	Expenses
Jan	460
Feb	475
Mar	490
Apr	540
May	575
Jun	485

Line chart



April and May were over budget.

Fictional data

Flight booking in Angular

Nairobi → Mombasa

“Find me a flight on Friday for under KES 8,000.”

Compare flights → **Pick a seat** → **Open the JSON drawer**

The flight demo uses its own JSON format.

JSON is the solution

Give the model a schema for its answer.

Schema

`seatId`	text
`available`	true or false

→

Model response

JSON

```
{
  "seatId": "12A",
  "available": true
}
```

→

App validation

✓ Matches the schema

What the client receives

A2UI

JSON Lines · one message per line

```
{"createSurface": {…}}
```

```
{"updateComponents": {…}}
```

```
{"updateDataModel": {…}}
```

json-render

One JSON spec

```
{
  "root": "seatCard",
  "elements": {…}
}
```

Can also stream JSON patches.

Payloads shortened

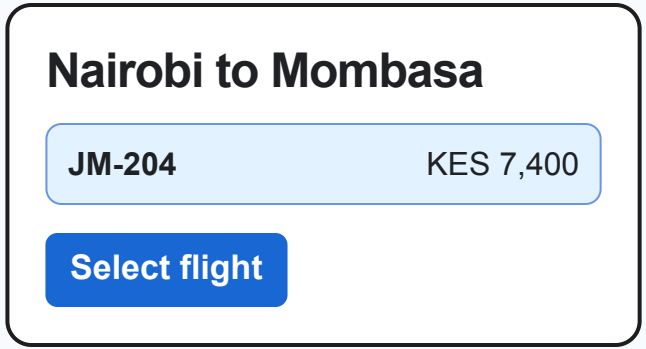
How Angular shows a card

The agent names the card

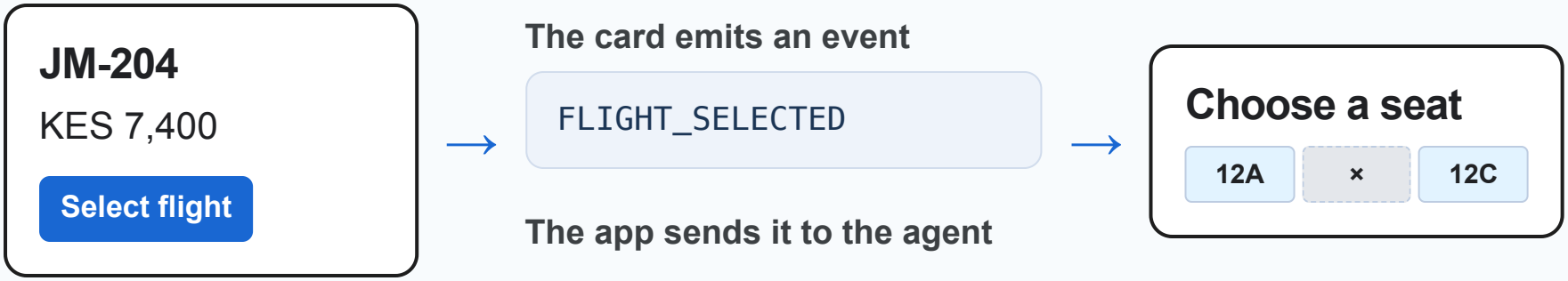
```
"component": "FlightComparisonCard"
```

Angular finds the matching component

```
componentType(inst.component)
```



What happens when you pick a flight?



A2UI calls a view a surface

The app renders it with components from its catalog.

Create the view
`createSurface`

→

Add the text and button
`updateComponents`

→

Update the seat status
`updateDataModel`



A2UI v1.0 client integration guide

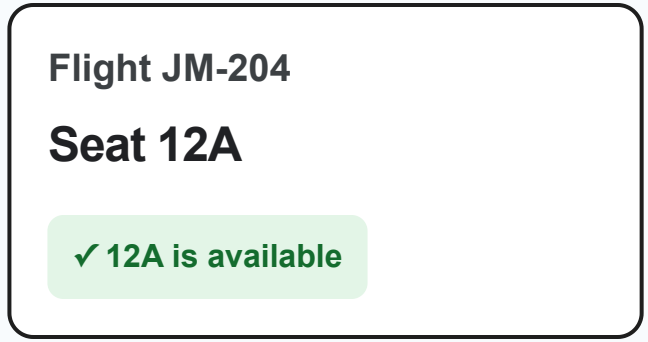
A2UI updates the seat status

The text reads from the data model

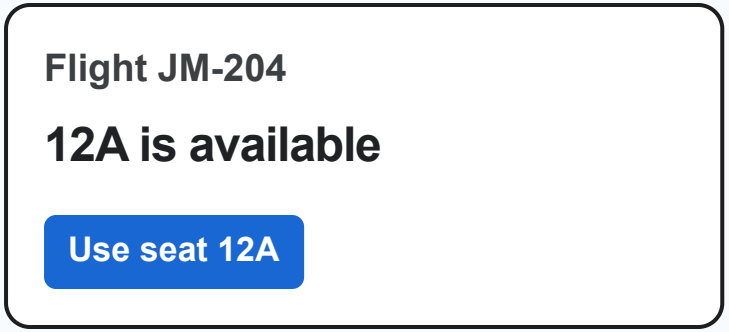
```
"text": { "@path": "/seat/summary" }
```

The update writes to the same path

```
"path": "/seat/summary",
"value": "12A is available"
```



What A2UI sends on a click



Read the seat ID

```
{ "@path": "/seat/id" }
```

Send the action to the agent

```
"name": "selectSeat",
"context": { "seatId": "12A" }
```

What json-render lets the model use

The catalog names what's allowed

`Button` `selectSeat`

The app provides the button and handler

Use seat 12A

`selectSeat` **handler**

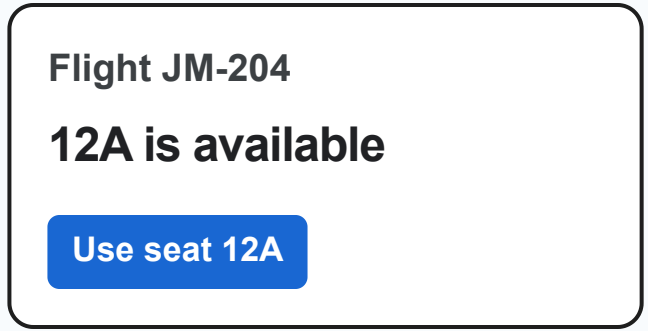
The same seat card in json-render

The spec puts text and a button inside the card

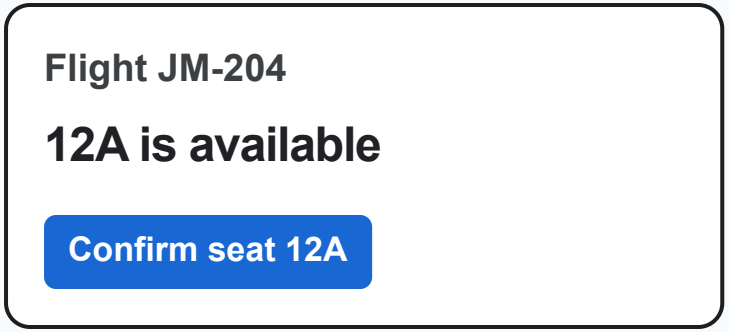
```
"children": ["summary", "seatButton"]
```

The text reads from state

```
"content": { "$state": "/seat/summary" }
```



What json-render does on a click



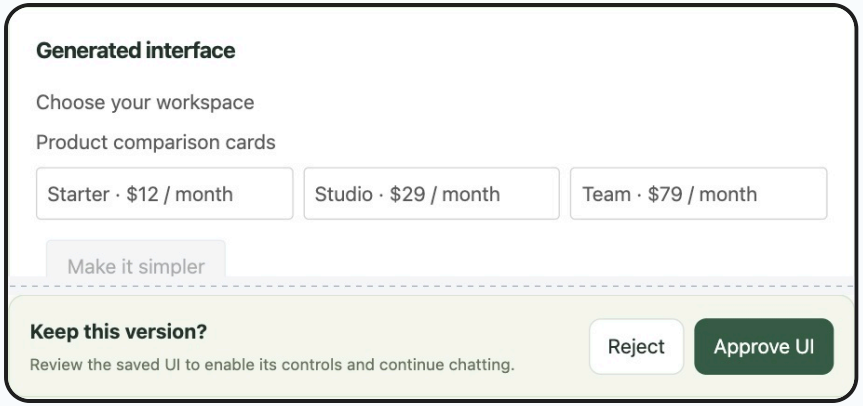
The app runs the named action

```
"action": "selectSeat",
"params": { "seatId": "12A" }
```

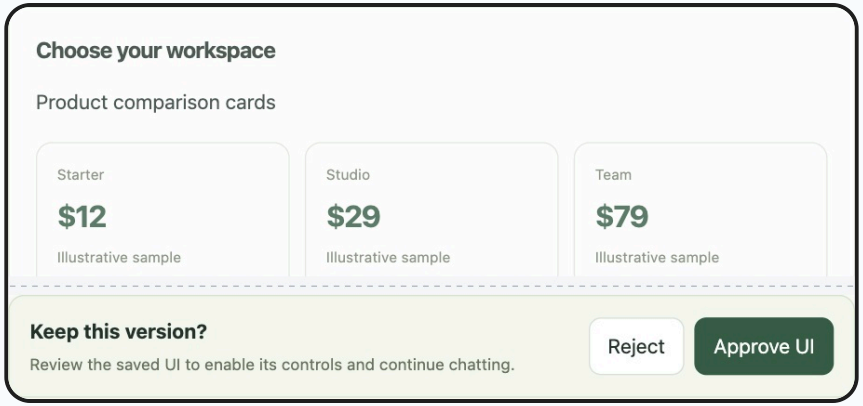
A separate update changes the label

```
"op": "replace",
"value": "Confirm seat 12A"
```

Both playgrounds ask for approval



A2UI with Angular



json-render with React

When the seat map won’t load

The app can’t render the requested component

We couldn’t show the seat map

Your flight is still selected.

JM-204 · Nairobi to Mombasa

Try again

The fare just went up

Price you saw

KES 7,400

→

Current fare

KES 8,250

Over the KES 8,000 budget.

> **The server checks permission and price. The traveller confirms the new fare.**

Your first interactive response



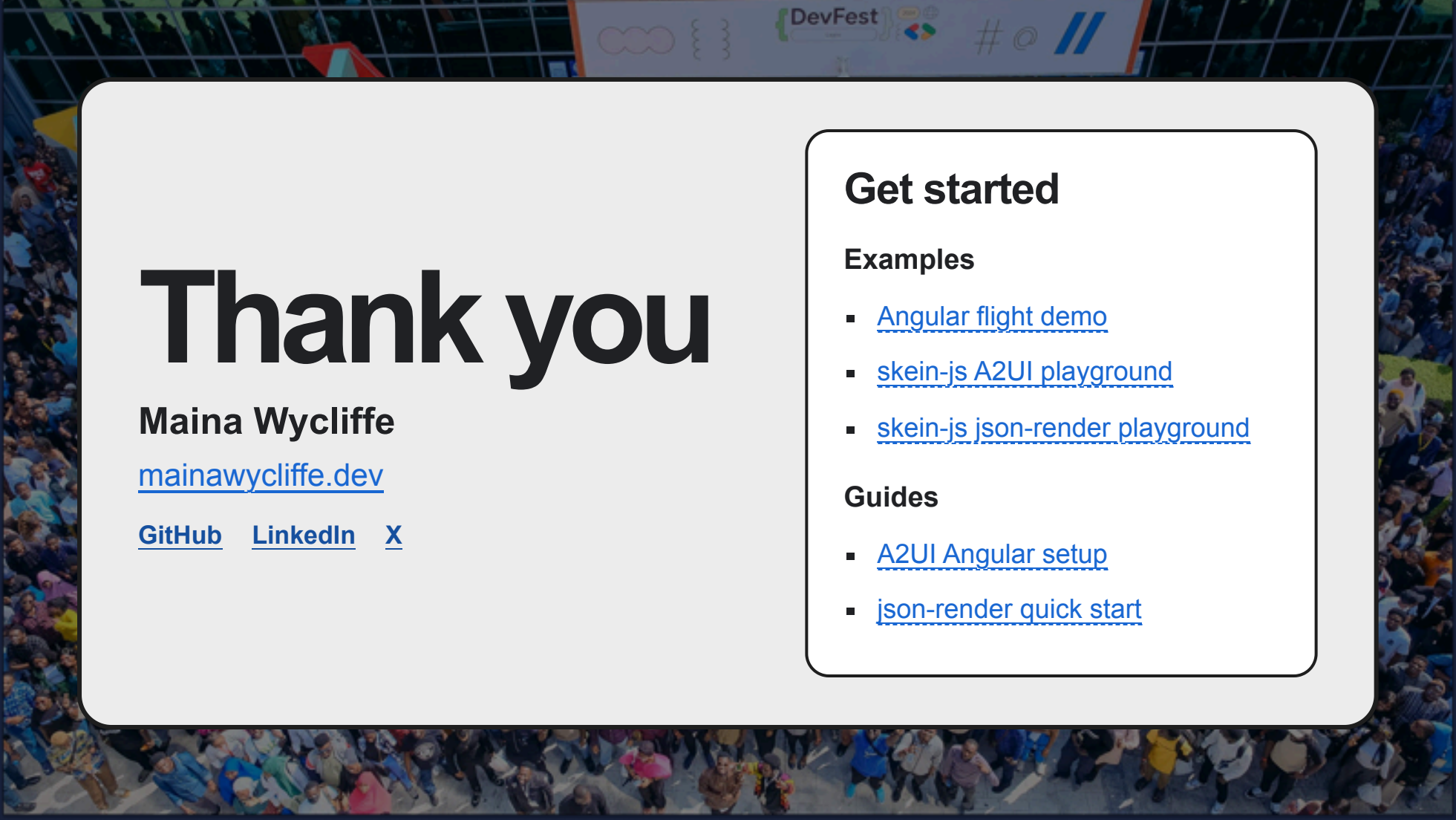
One card

Use seat 12A

One button



One server check



Thank you

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Get started

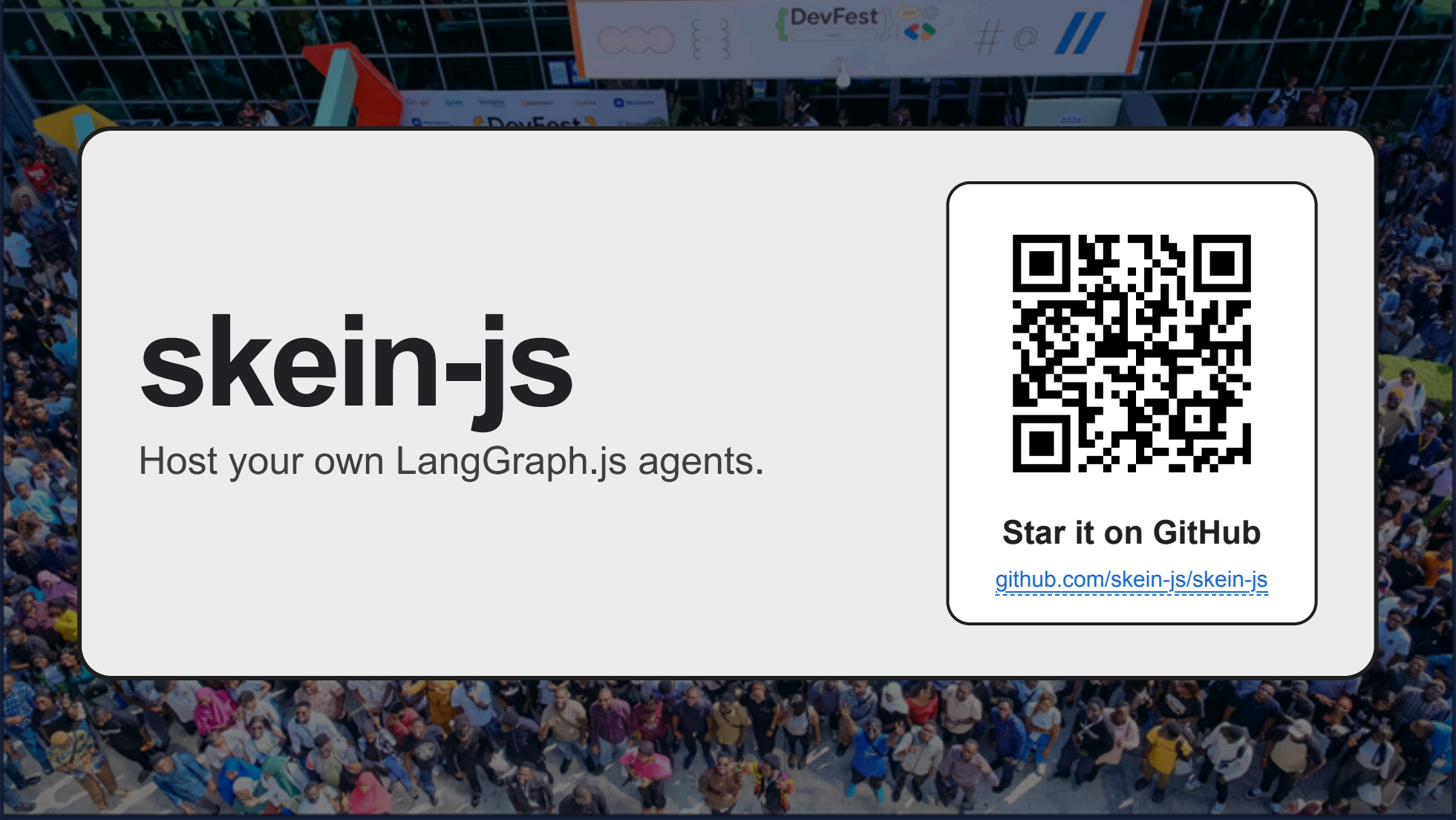
Examples

- Angular flight demo
- skein-js A2UI playground
- skein-js json-render playground

Guides

- A2UI Angular setup
- json-render quick start

One more thing



skein-js

Host your own LangGraph.js agents.

Star it on GitHub

github.com/skein-js/skein-js