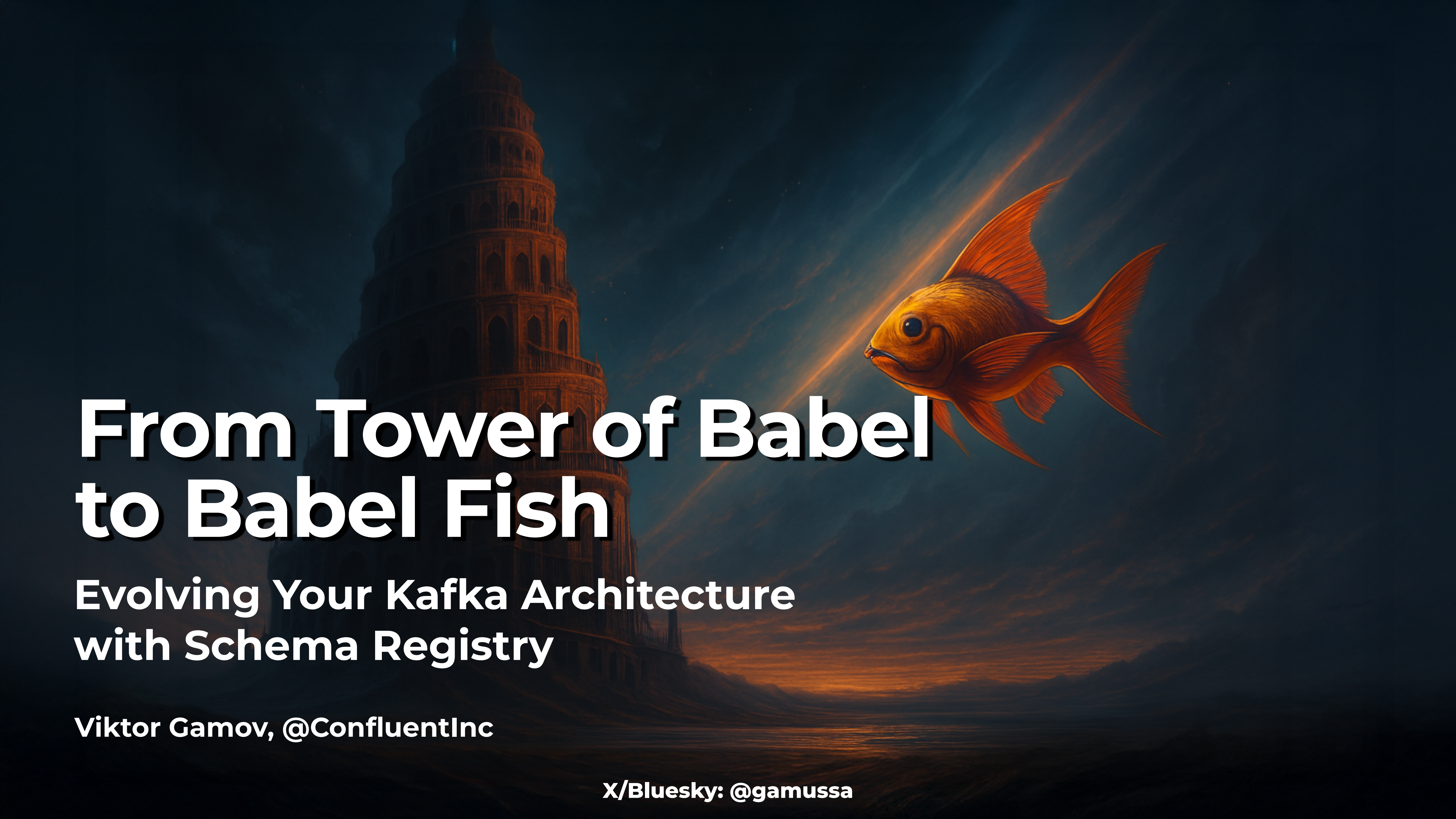




From Tower of Babel to Babel Fish

Evolving Your Kafka Architecture
with Schema Registry

Viktor Gamov, @ConfluentInc

X/Bluesky: @gamussa

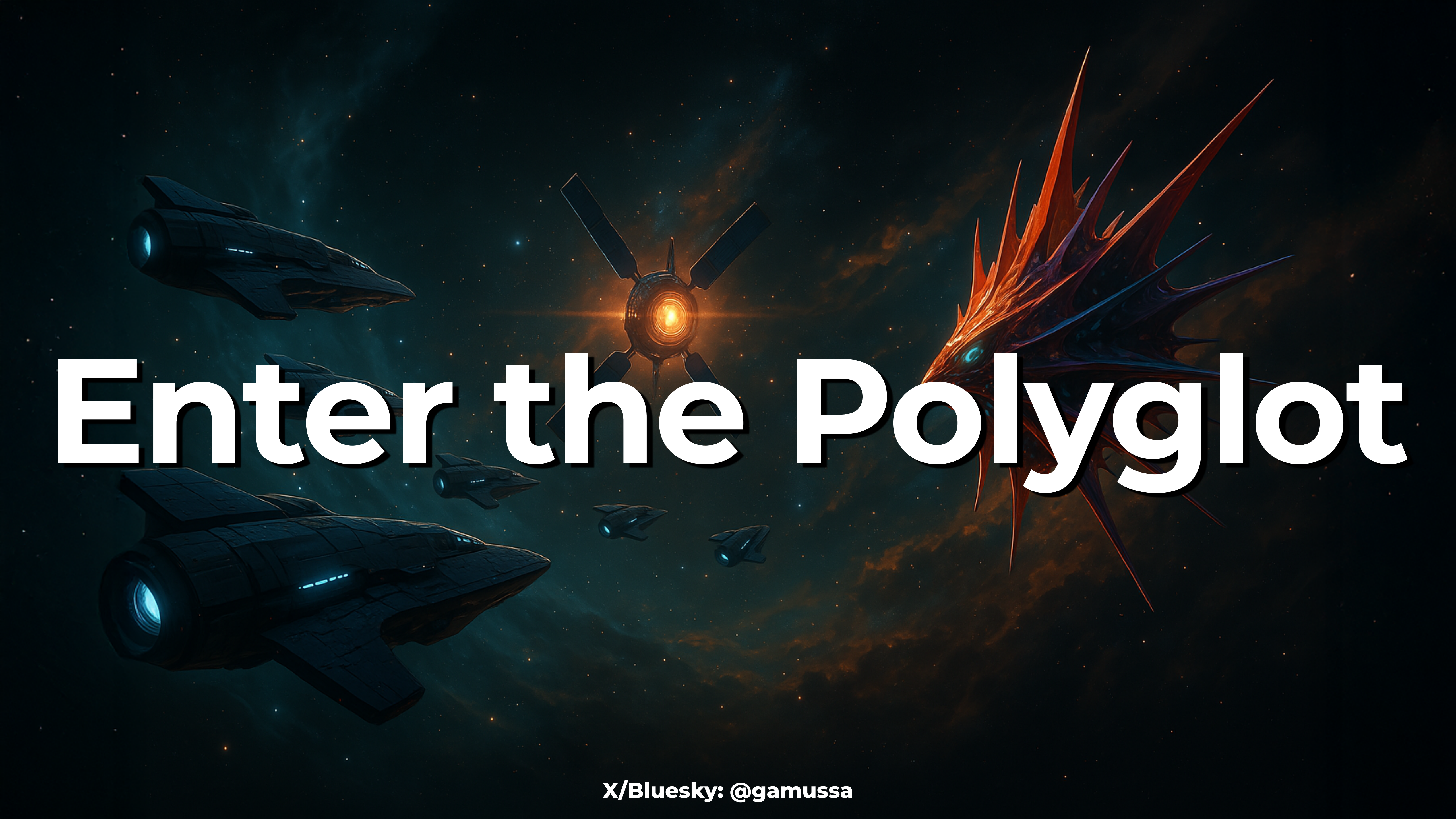
The Golden Days of Kafka



X/Bluesky: @gamussa



Everything Speaks the Same Language



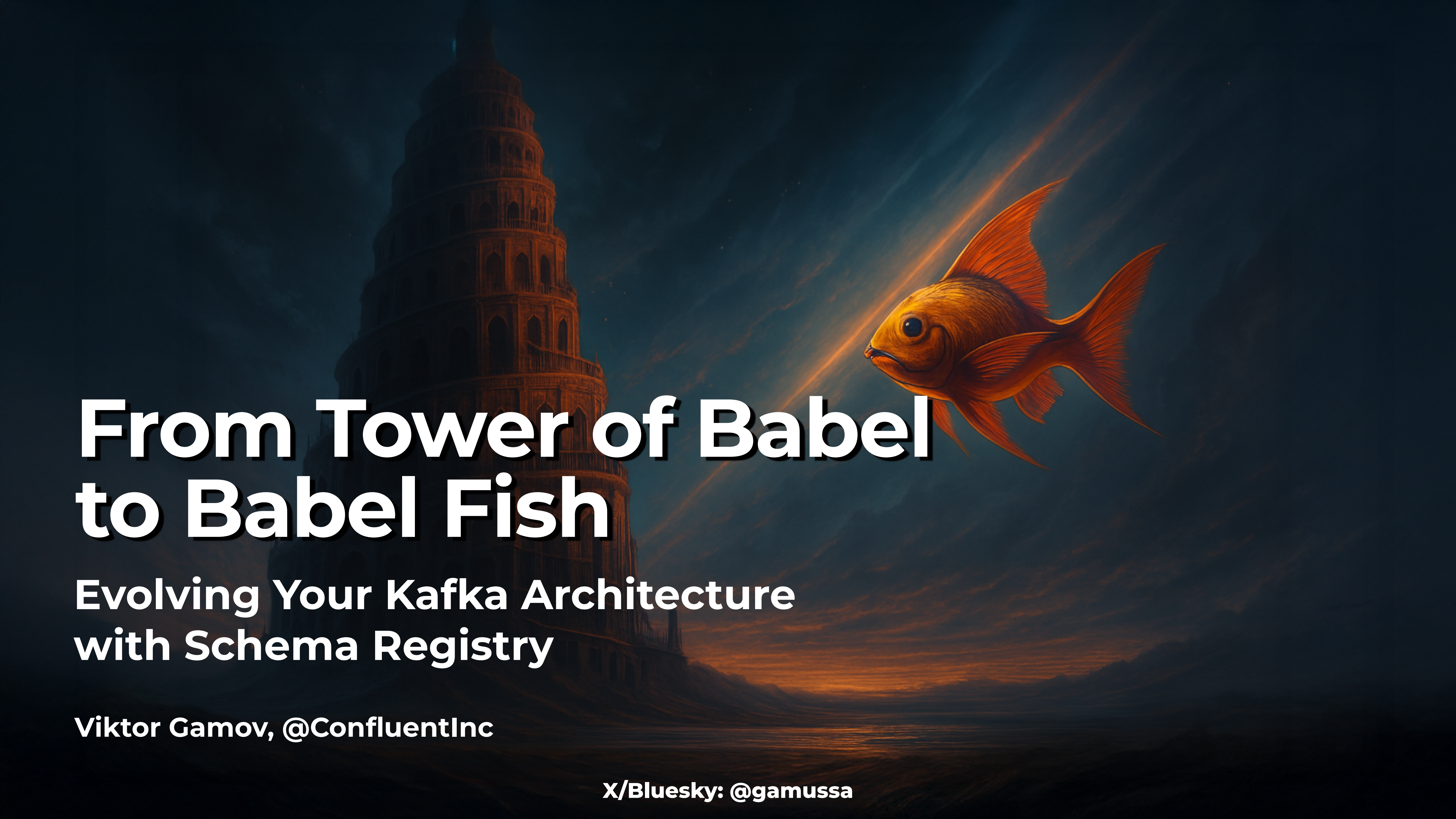
Enter the Polyglot



Chaos at the Edges

X/Bluesky: @gamussa

But there is hope...

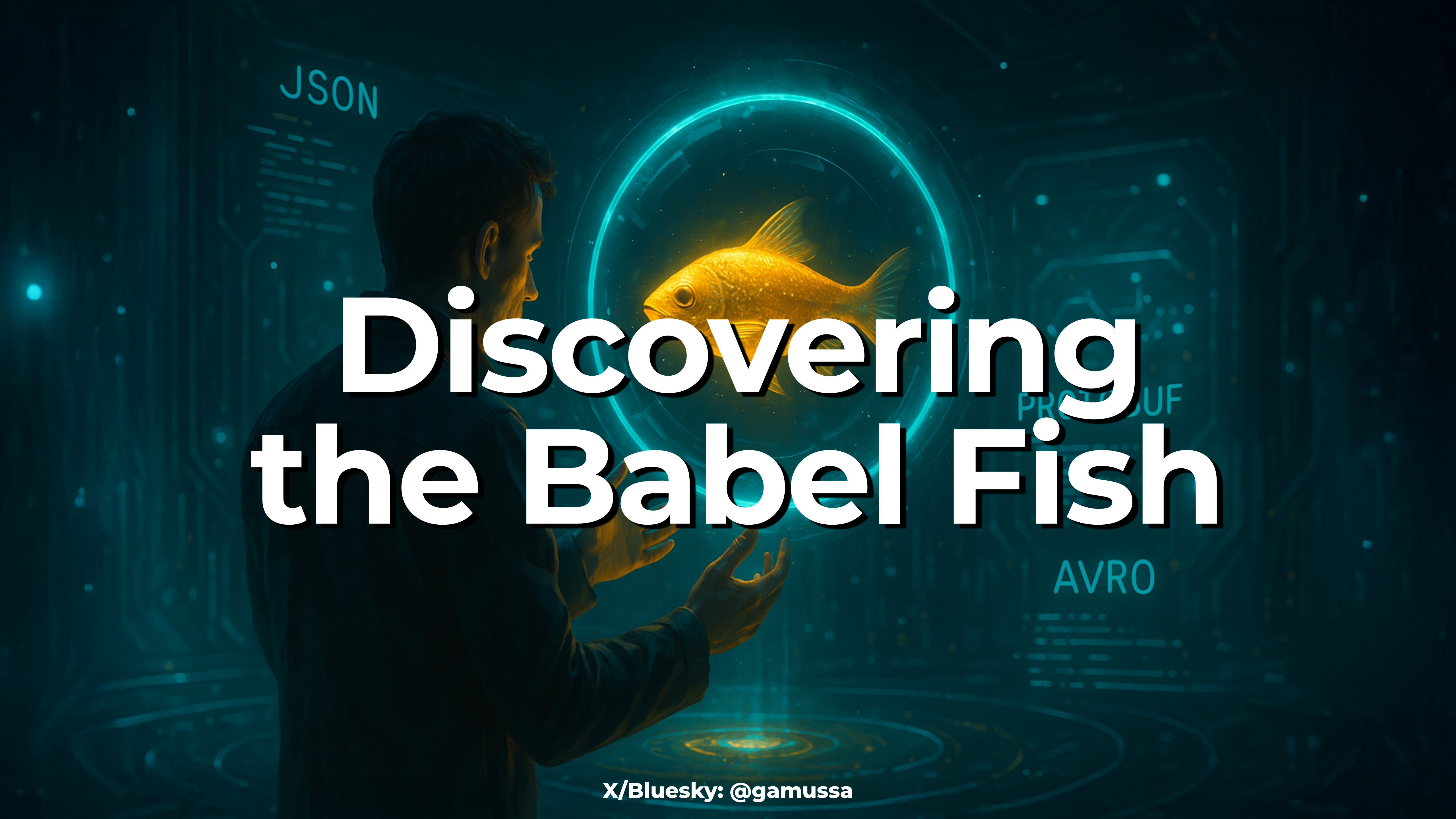


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Discovering the Babel Fish

X/Bluesky: @gamussa



Enter Schema Registry

Data Contract

AVRO

```
{  
  "type": "record",  
  "name": "Order",  
  "fields": {  
    "id": {  
      "name": "string",  
      "name": "string"  
    }  
  },  
  "amount": {  
    type: "double"  
  }  
}
```



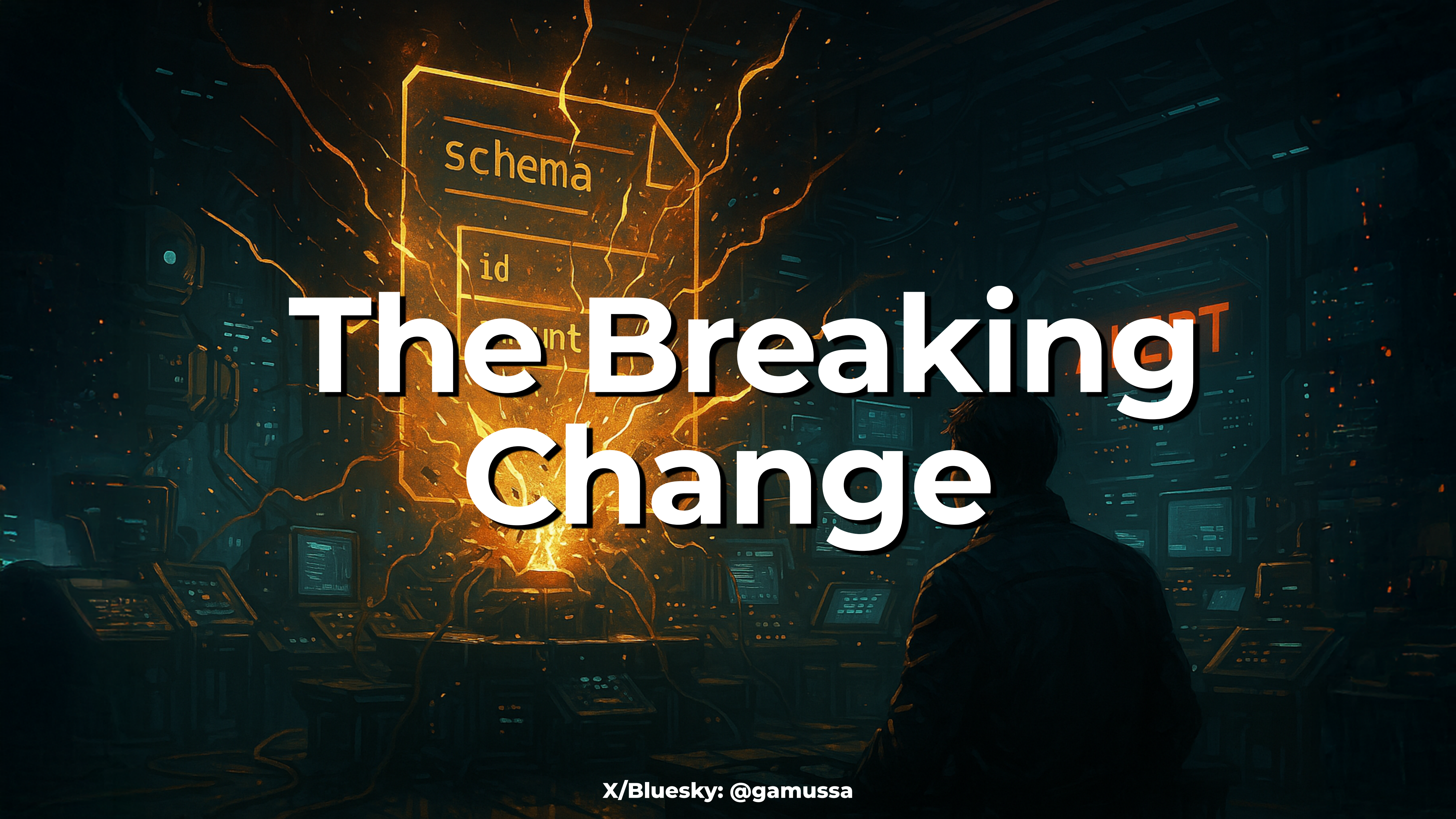
```
curl -X POST -H "Content-Type:  
application/vnd.schemaregistry.v1+json"  
--data '{"schema": "<your-schema>"'  
http://localhost:8081/s/  
orders-v1/schema/1.0.0
```

Registering Schemas

A futuristic industrial setting with a robotic arm on the left and a person in a spacesuit on the right. The background is a complex, dimly lit environment with various mechanical components and glowing blue light sources. The text "Integrating into CI/CD" is overlaid in the center in a large, white, sans-serif font.

Integrating into CI/CD

X/Bluesky: @gamussa

The background is a dark, atmospheric illustration of a server room or data center. In the foreground, the back of a person's head and shoulders are visible, looking towards the server racks. The server racks are filled with various components, some of which are illuminated with a warm, orange glow. Overlaid on this scene are glowing orange circuit lines and a large, glowing orange rectangle that contains the word 'schema' at the top, followed by 'id' and 'count' in a smaller font. The overall color palette is dominated by dark blues, greys, and vibrant oranges.

The Breaking Change

X/Bluesky: @gamussa

A futuristic handheld device, possibly a handheld console or a specialized tool, is the central focus. It has a dark, metallic-looking frame. The screen displays the words "BACKWARD" in orange and "FORWARD" in green, with "FULL" in green and blue below them. The device has several buttons on the bottom. The background is a dark, blue-toned space filled with glowing orange and blue lines, suggesting a digital or network environment.

Compatibility Modes

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Polyglot Harmony

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Schema Governance

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Schema Registry as Core Infra

The background is a complex digital illustration. It features a central, glowing orange and yellow circular portal or interface element, surrounded by intricate, branching circuit-like patterns in shades of blue and teal. Several silhouettes of people are visible: one in the foreground on the left, looking towards the center; another further back on the left at a console; and a larger figure on the right, also at a console with multiple screens. The overall atmosphere is high-tech and futuristic.

X/Bluesky: @gamussa

As always,

Have a Nice Day...

**X/Bluesky:
@gamussa**

<http://speaking.gamov.io>