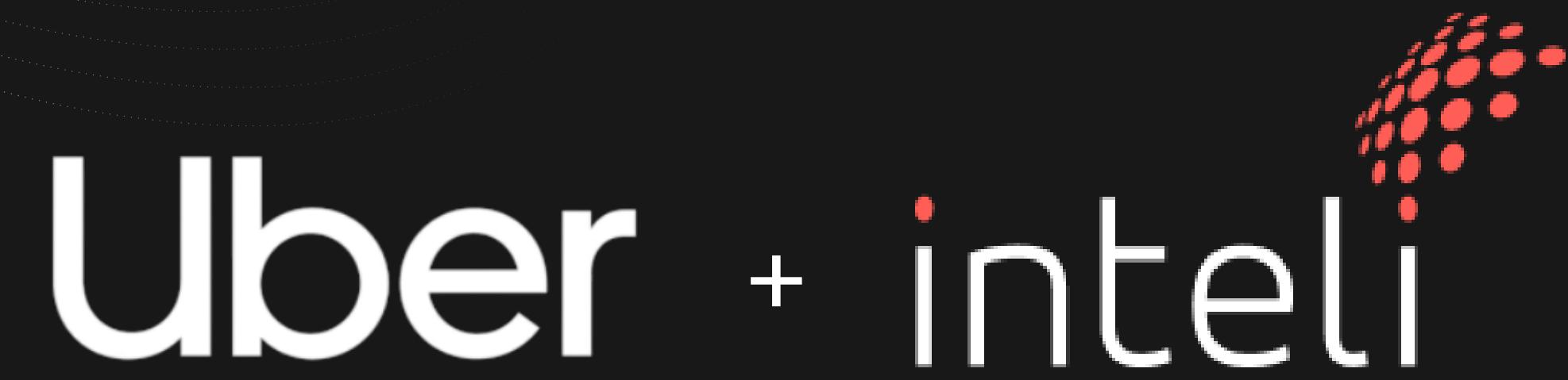


UberChat



The image features the logos for Uber and intelis. The Uber logo is on the left, consisting of the word "Uber" in its signature white sans-serif font. To its right is a plus sign, followed by the intelis logo which features the word "inteli" in white lowercase letters with a red, stylized, upward-pointing arrow graphic above the letter "i".

Marvin da Silva

Lilian Corrêa

Aderlei Coraini

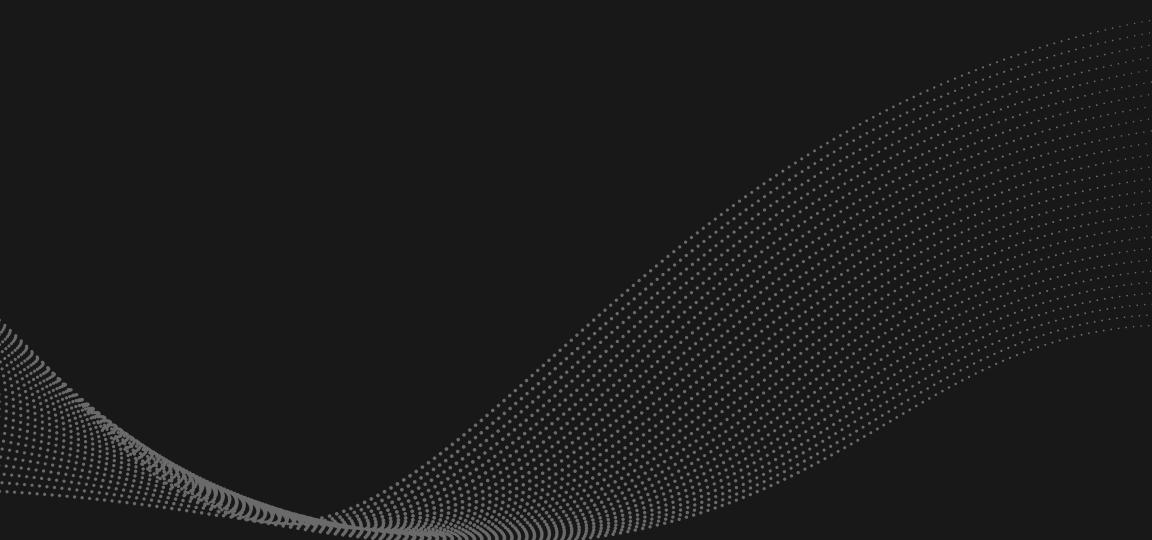
Rodrigo Kleinert

Mauricio Vieira

Bernardo Marques

Renato Beserra

Table of Contents

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- 01 Agents and tools
 - 02 Agent flow
 - 03 Product Search
 - 04 Infra
 - 05 Demo
 - 06 Improvements
 - 07 Team
 - 08 Q&A

Introduction

What are agents and tools & How do they interact



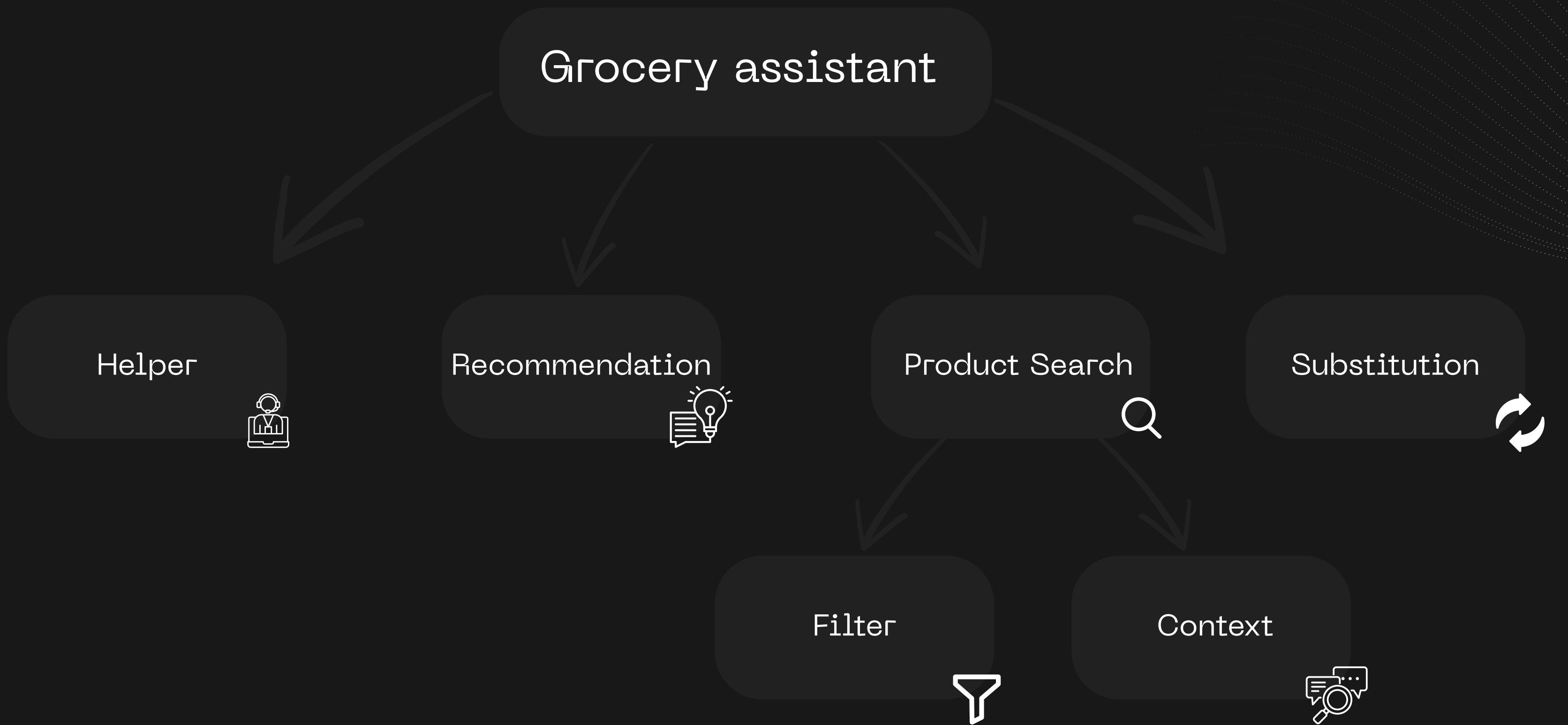
Agents

- Plan
- Execute
- Observe
- Repeat

Tools

capability or function that the agent can use to perform tasks beyond its core language processing





Explanation

Product Search

Context expansion

- Synonyms: leite integral, leite desnatado, leite
- Categories: laticínios, bebidas, refrigerados, café da manhã
- Description: Leite é uma bebida láctea nutritiva, rica em ...

Filter by categories

- Similarity search
- Top k

Substring

Search database for substring matches and synonyms using name, description

Context similarity

Similarity search using name, description, and product context comparison.

Filtering agent

Refines results based on the enhanced context of the product.

Onto production

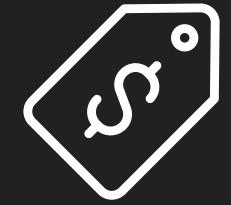
Availability



Scalability
Elasticity



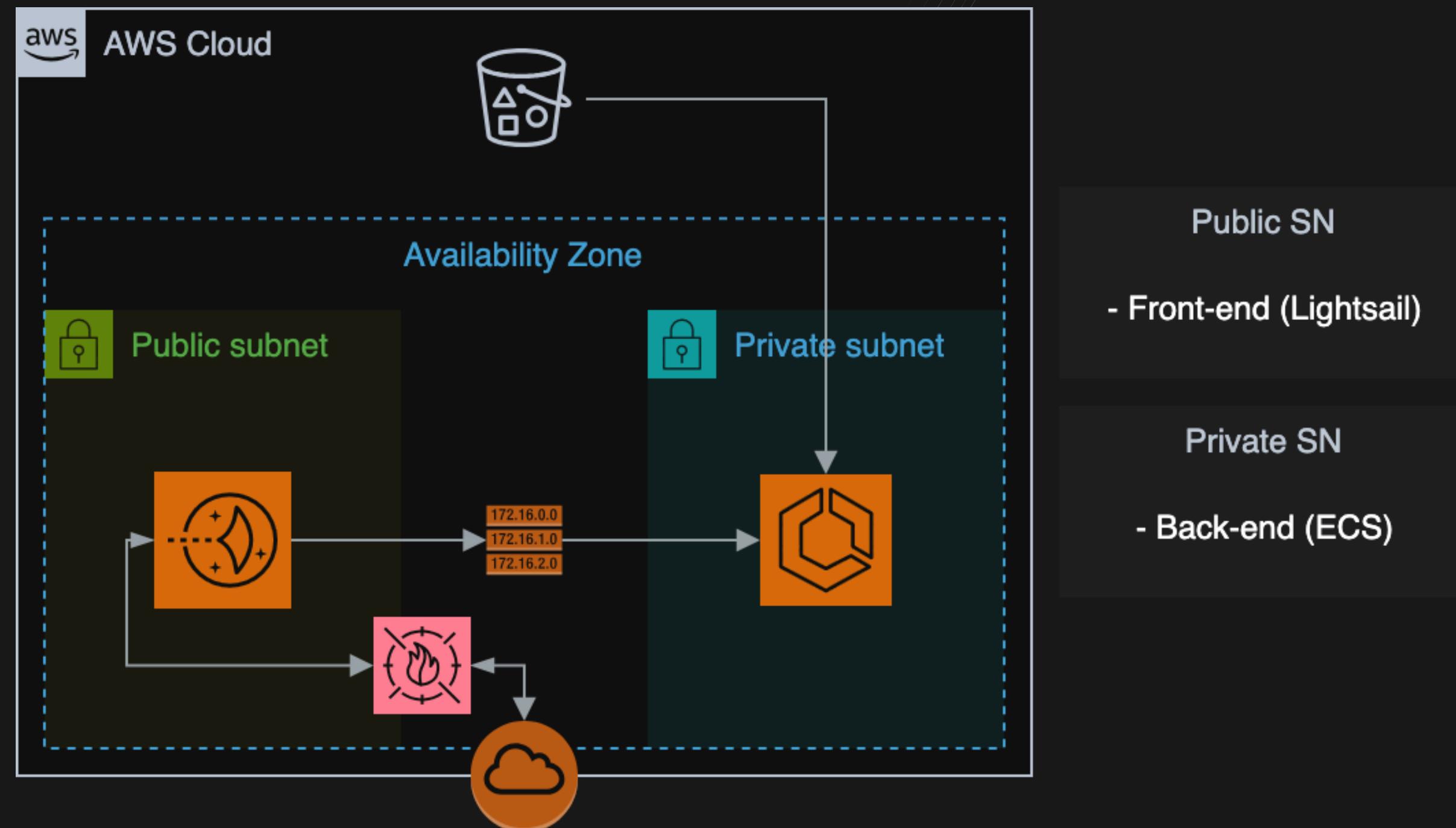
Cost Efficiency



Security

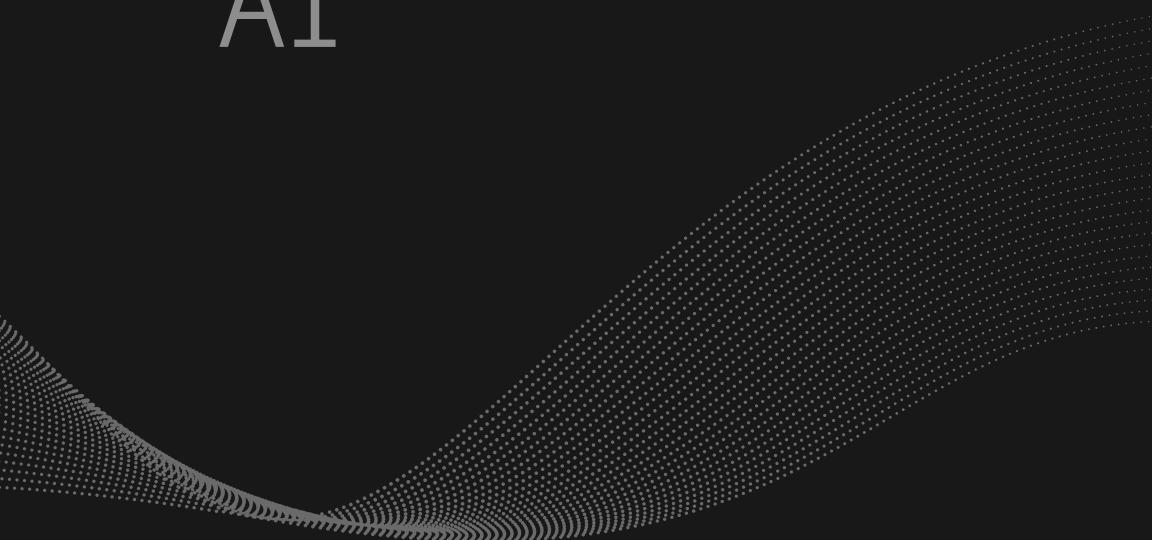


Onto production



Onto production

AI



- 01 Context Awareness
- 02 Personalization and Recommendation
- 03 Natural Language Understanding (NLU)
- 04 Real-time Inference and Decision Making
- 05 Model Monitoring and Drift Detection

Onto production

Monitoring | Analytics

01 Performance Monitoring

02 Error and Log Tracking

03 Availability and Uptime

04 Resource Utilization (CPU,
Memory, Network)

05 User Experience (Response
Time, Latency)



A dark gray background featuring a subtle, abstract pattern of light gray dots forming a wavy, undulating line that spans the entire width of the slide.

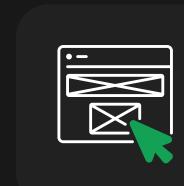
Demo

Melhorias



Optimization

LLMs can take too long to answer



Structure Response

A simple message vs a structured output



Filtering agent

Improve it's filtering capabilities



Tests

How to effectively test our application to check if we are retrieving all the correct products

Meet our team



Marcos Teixeira



Fabio Piemonte



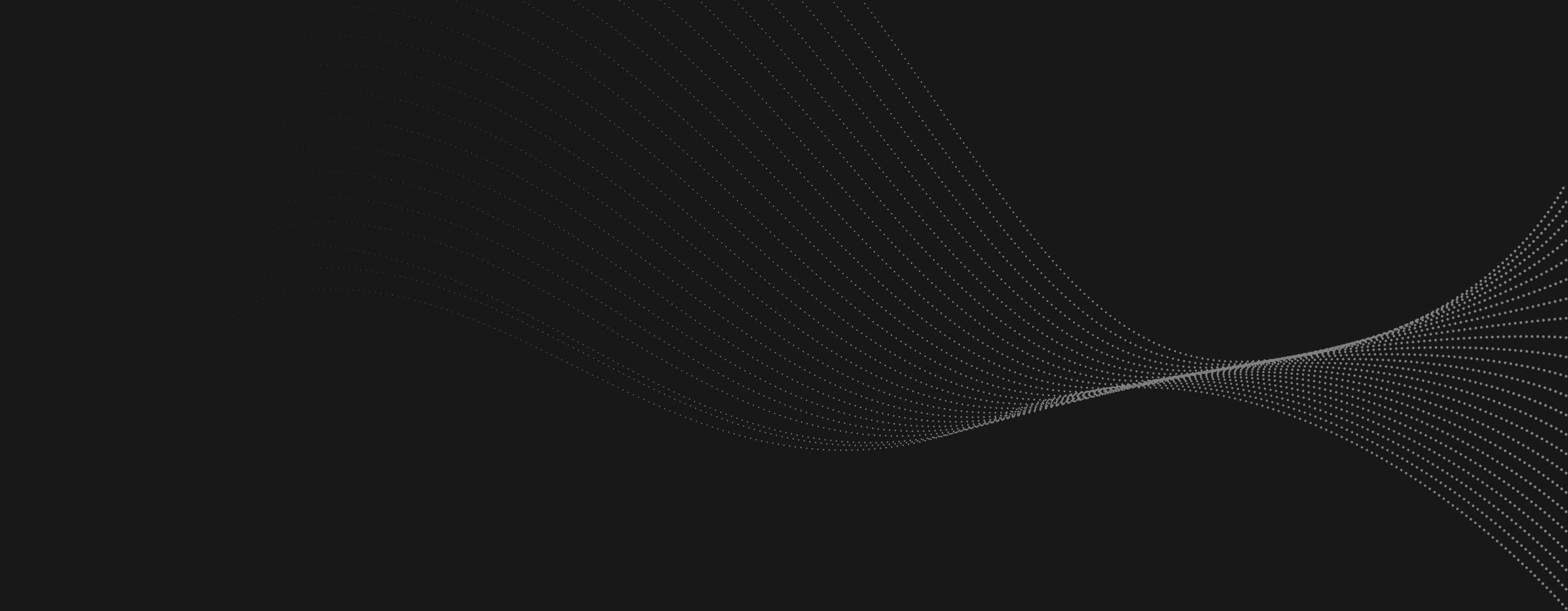
Guilherme Lima



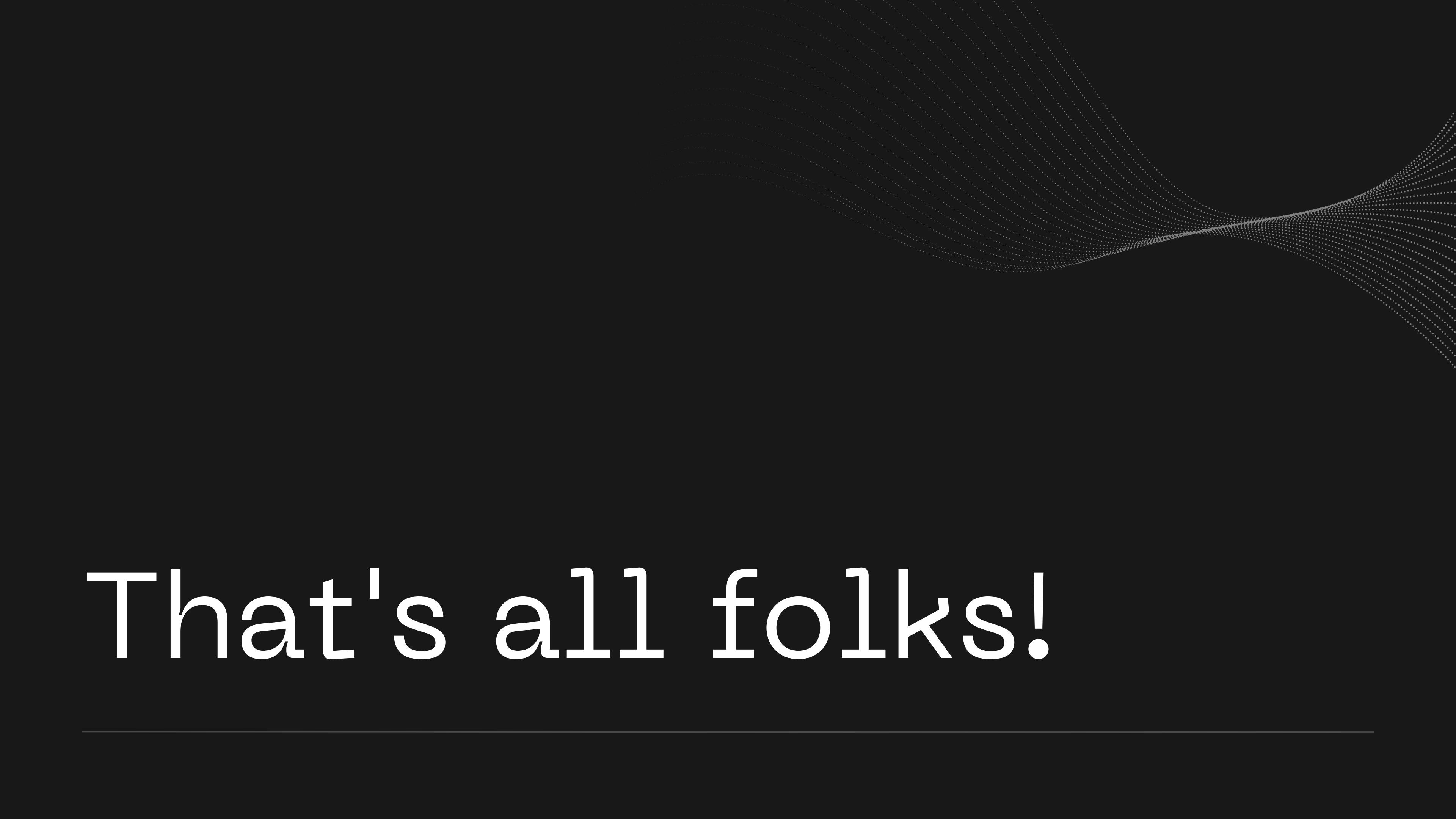
Beny Frid



Enya Oliveira



Q&A



That's all folks!
