



Enhance Your Mobile App Experience with SAP Business AI

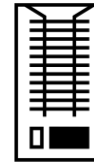
Mikal Netteberg, SAP

SAPinsider
2023

A New Revolution...

New technology **excites...**
But correctly applied
technology **revolutionizes**

Computing
(1950)



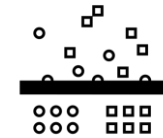
PC
(1980)

Internet
(1970s)



Web Browser
(1990)

Deep Learning
(2012)



Generative Models
(2023)

SAP Business AI approach

Relevant



Reliable



Responsible

AI-powered insights and assistance

Embedded AI capabilities

Cloud ERP

Human capital
management

Spend management &
business network

Customer relationship
management

Business Technology
Platform

AI foundation

on Business Technology Platform

AI ecosystem partnerships and investments



ANTHROPIC



cohere

databricks

DataRobot

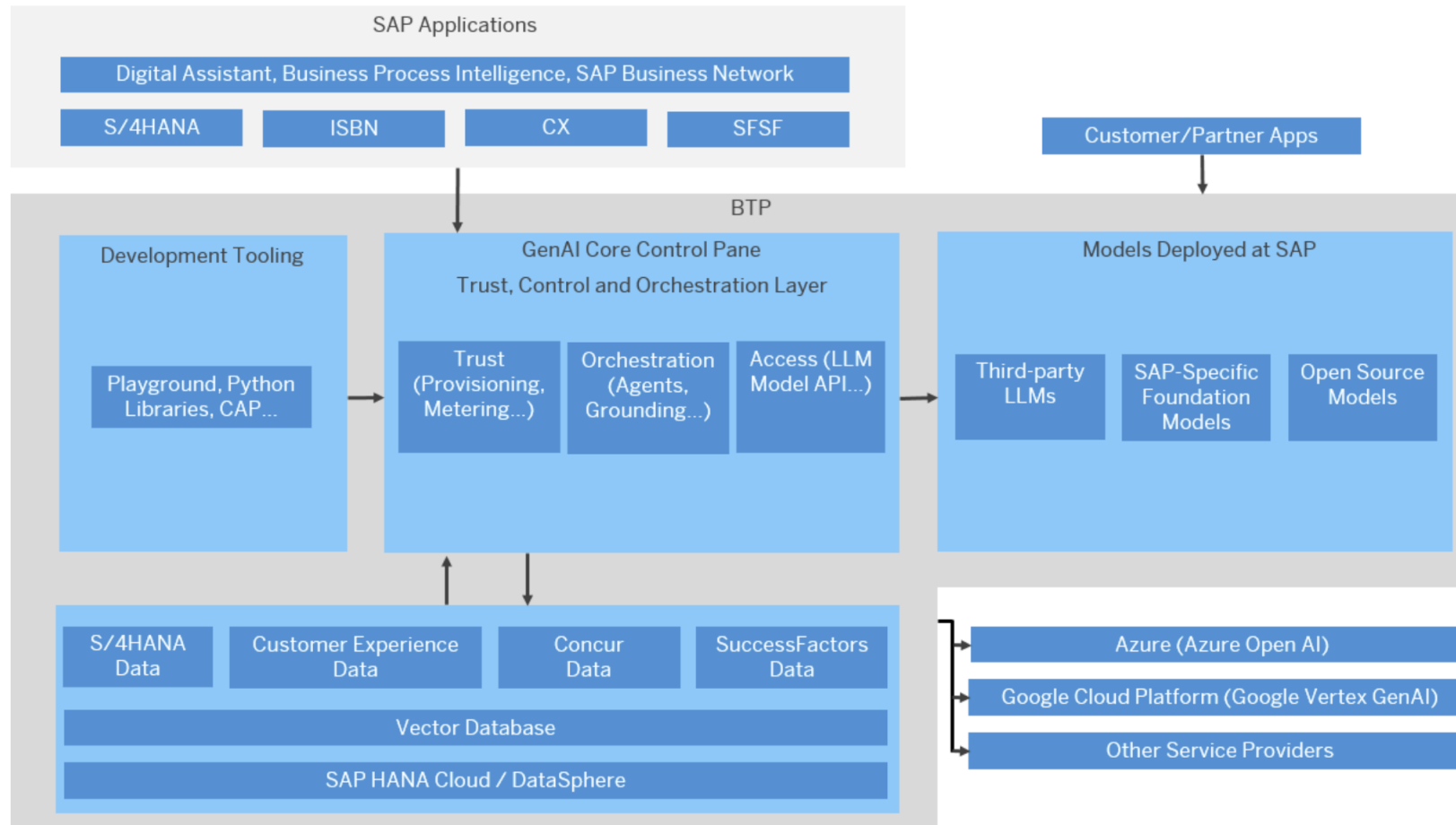
Google Cloud

Hugging Face

IBM

Microsoft

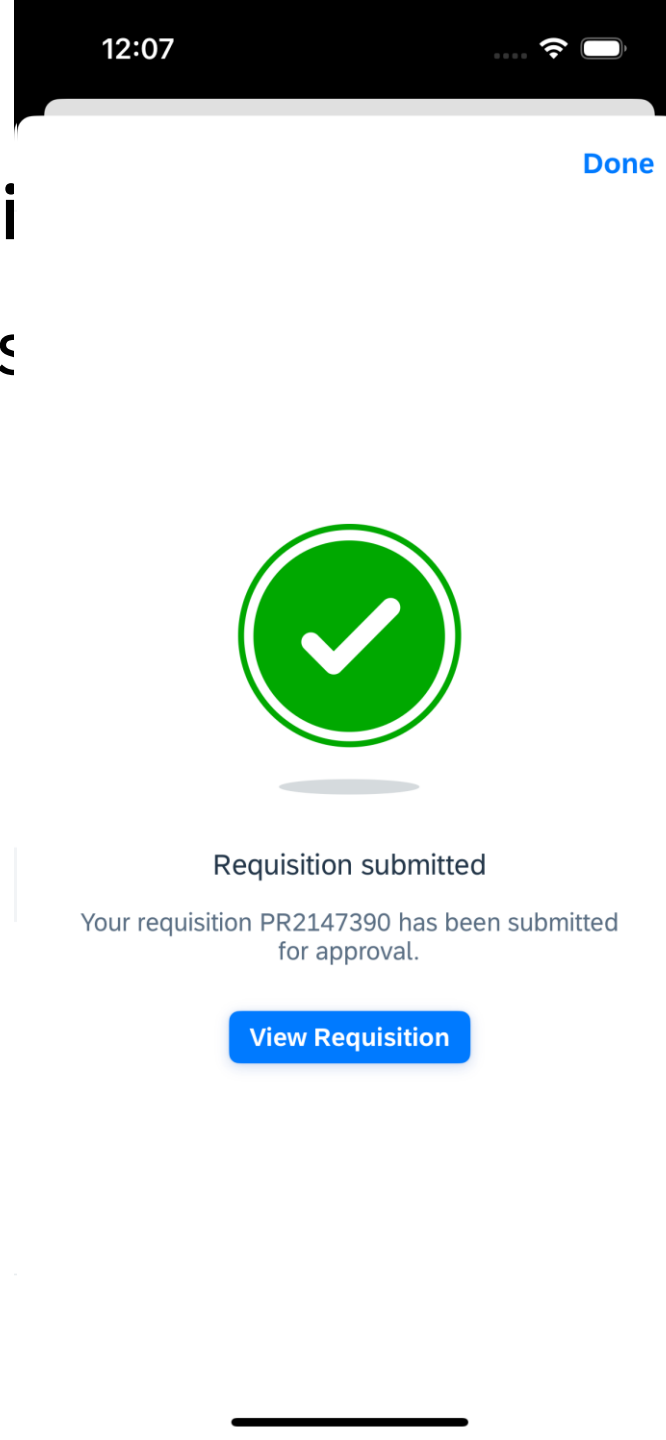
SAP Business Technology Platform (AI)



SAP Ariba Shopping i

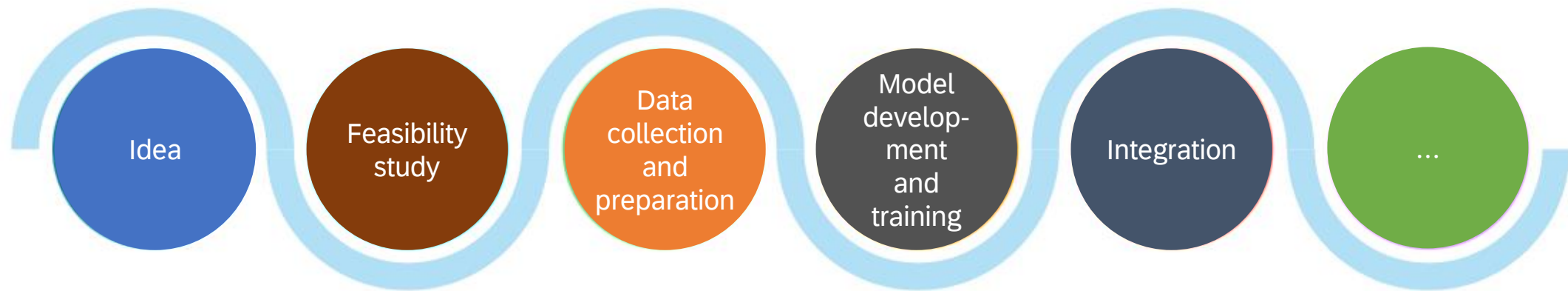
An intuitive B2B mobile s
SAP Ariba solutions.

leveraging the power of



Key questions of an AI feature's lifecycle

- Is there a clear, useful AI application without forcing it?
- Are you prepared for uncertain, time-variable model training?
- Do you have access to and permissions for the required data?
- Is there AI expertise, or are you open to 3rd-party AI integration?



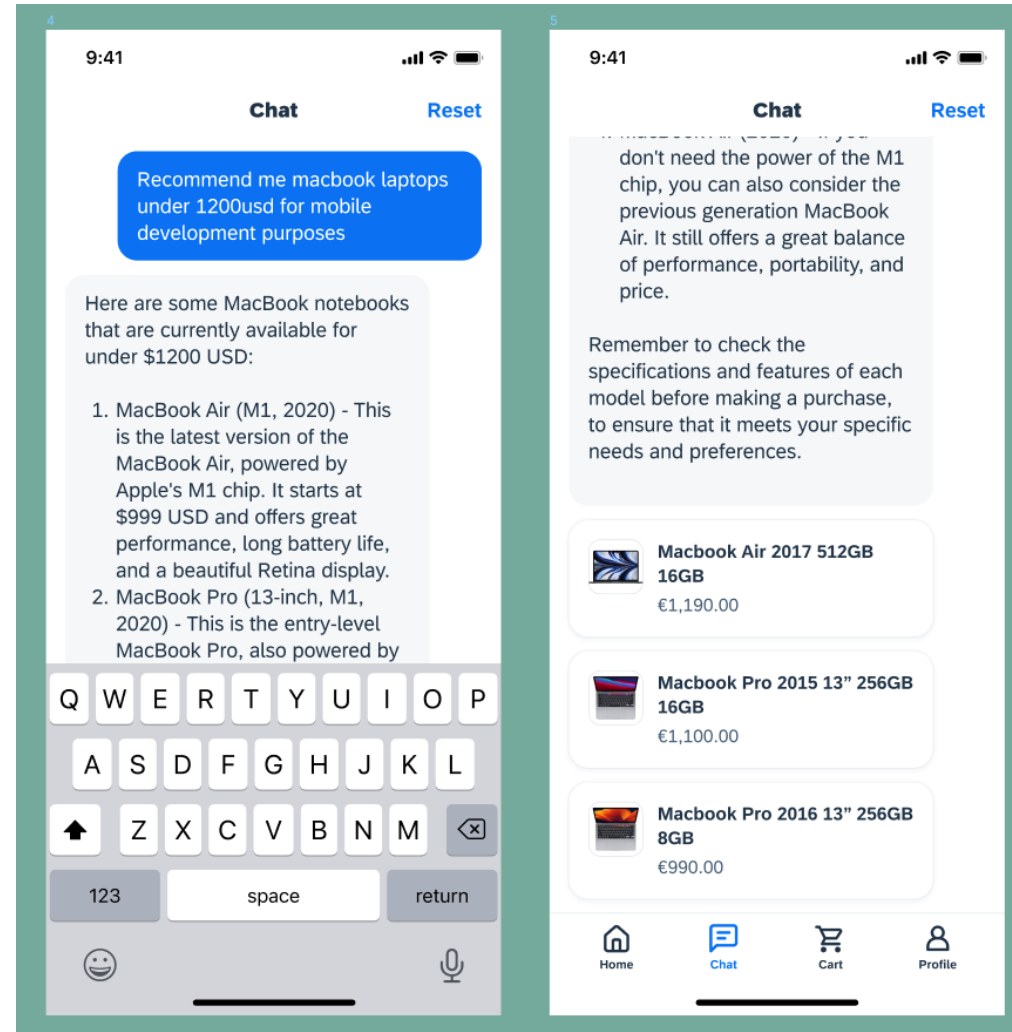
SAP Ariba Shopping – Proof of concept

Idea

- Improve searching with a natural language processing chat bot that recommends some products and explains its recommendation.

Data needed

- The catalog(s) of SAP Ariba solutions and ChatGPT already-existing knowledge base

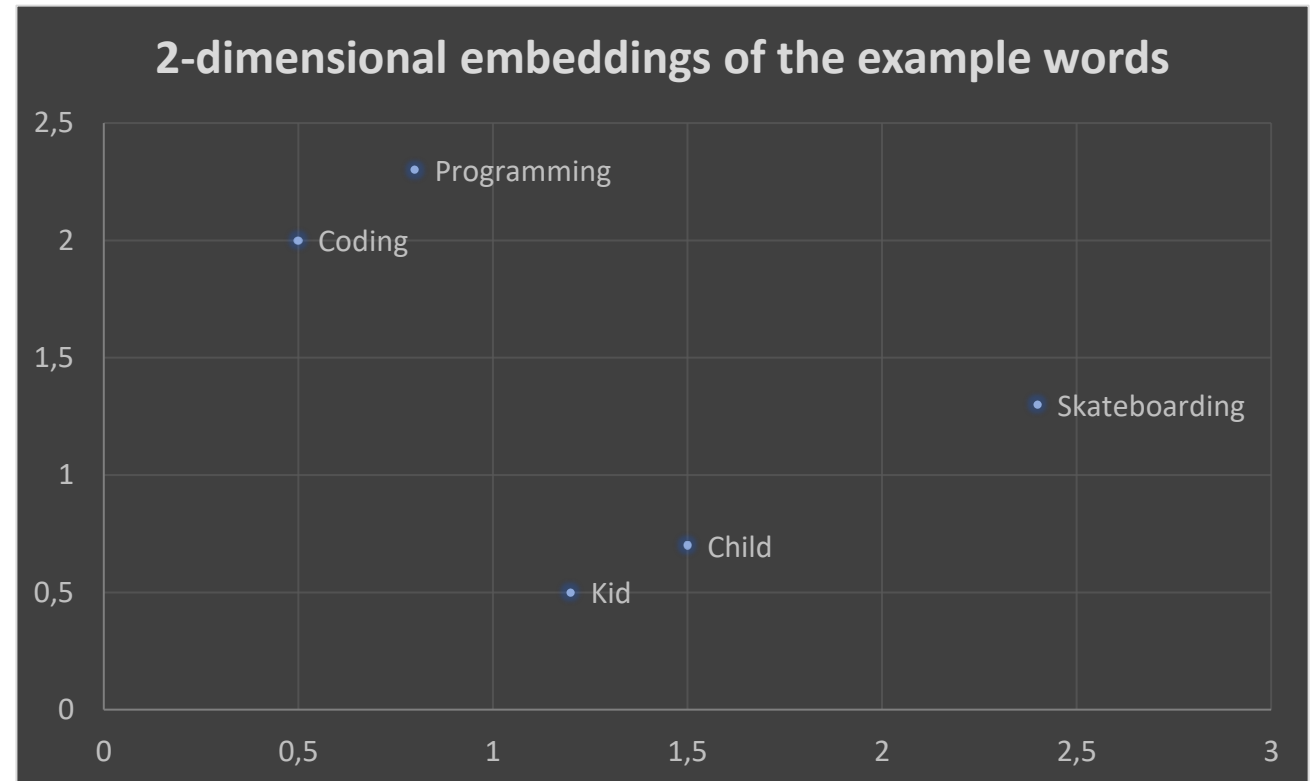


Digression: Embeddings

Today one of the most common way for information retrieval (IR) is to use embeddings.

Example words:

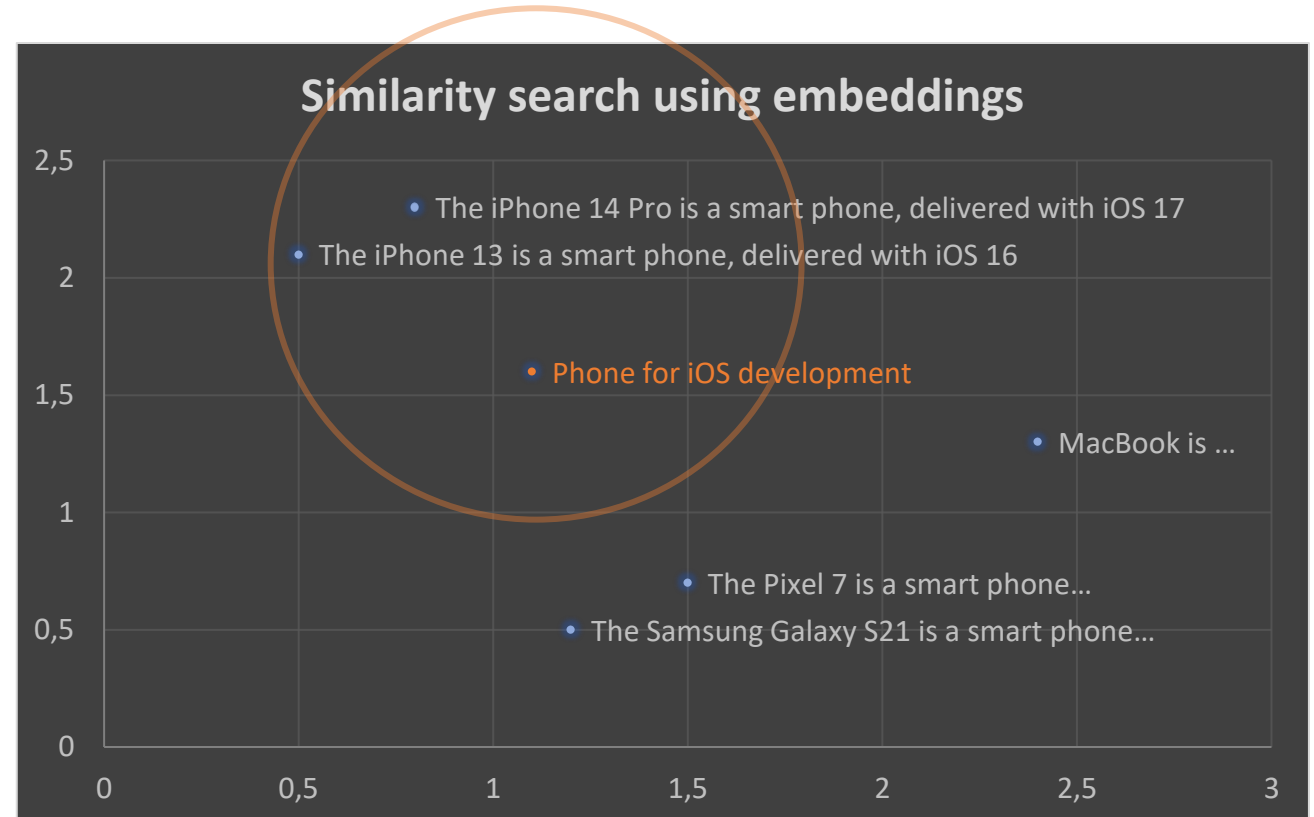
- Coding
- Kid
- Child
- Skateboarding
- Programming



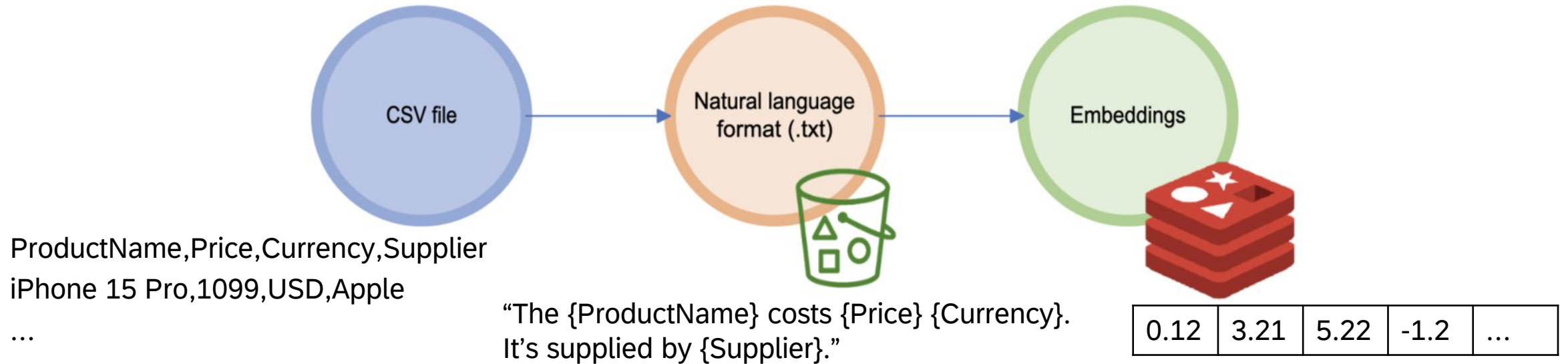
Digression: Similarity search using embeddings

The search text of the user gets transformed to an embedding. Then we use similarity search to see what's close in the embedding space.

- Example request for recommendation:
- “Phone for iOS development”



Data preprocessing



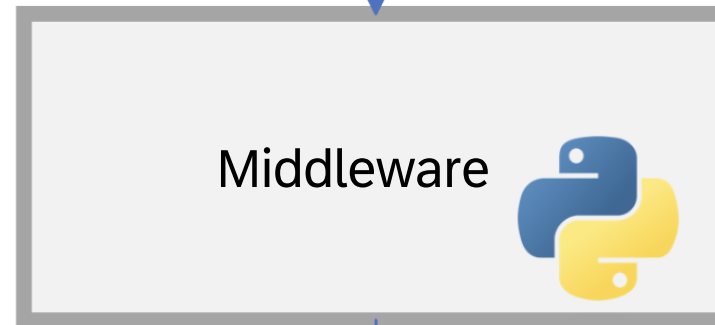
Python bridge

SAP Ariba Shopping mobile app

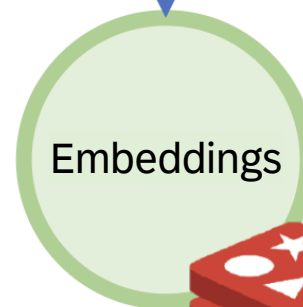


“What’s the best phone for an iOS developer?”

1



2



3



ChatGPT

*The iPhone 15 Pro costs \$1099.
It’s supplied by Apple.*

*The iPhone SE 3rd gen costs \$899.
It’s supplied by Apple.*

*The iPhone 14 Pro costs \$949.
It’s supplied by Apple.*

Use the following pieces of context to answer the question at the end.

The iPhone 15 Pro costs \$1099. It’s supplied by Apple.

...

Question: *What’s the best phone for an iOS developer?*

The answer

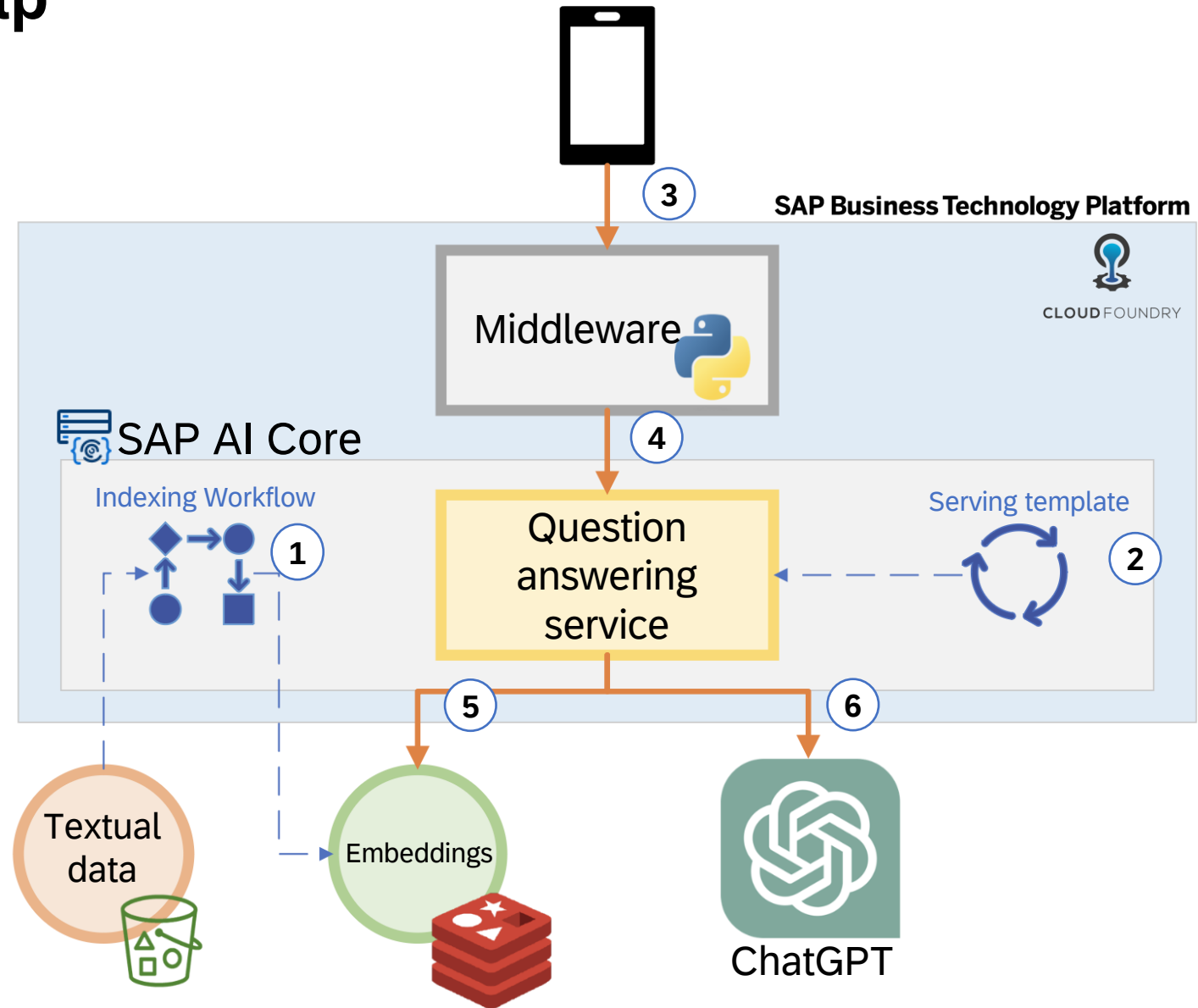
The best phone for an iOS developer depends on their specific needs and budget. Here's a breakdown of the options provided:

1. iPhone 15 Pro: This is the most expensive option at \$1099. It may be suitable for iOS developers who want the latest and most advanced features available. The Pro models typically offer high-performance hardware and additional capabilities that could be beneficial for development tasks.
2. iPhone SE 3rd gen: The iPhone SE is the most budget-friendly option at \$899. It's a more cost-effective choice for iOS developers who don't require the most cutting-edge features and can work with slightly less powerful hardware. However, it's still a capable device for iOS development.
3. iPhone 14 Pro: The iPhone 14 Pro is priced at \$949. It sits between the iPhone 15 Pro and iPhone SE in terms of price and features. It could be a good choice for iOS developers who want a balance between performance and cost.

Ultimately, the "best" phone for an iOS developer will depend on their individual preferences and requirements. Those with a larger budget and a desire for top-of-the-line hardware may prefer the iPhone 15 Pro. Those on a tighter budget might opt for the iPhone SE 3rd gen, which offers a good balance of performance and affordability. The iPhone 14 Pro is a middle-ground choice for those looking for a compromise between features and price.

SAP AI Core to help

SAP Ariba Shopping



Open tasks

- Authentication
- API Integration
- Keeping data up-to-date strategy
- And more

And most important:

Plan for user adoption

Kudos

Erick Santillán

AI developer



SAPinsider



SAPinsider.org

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