

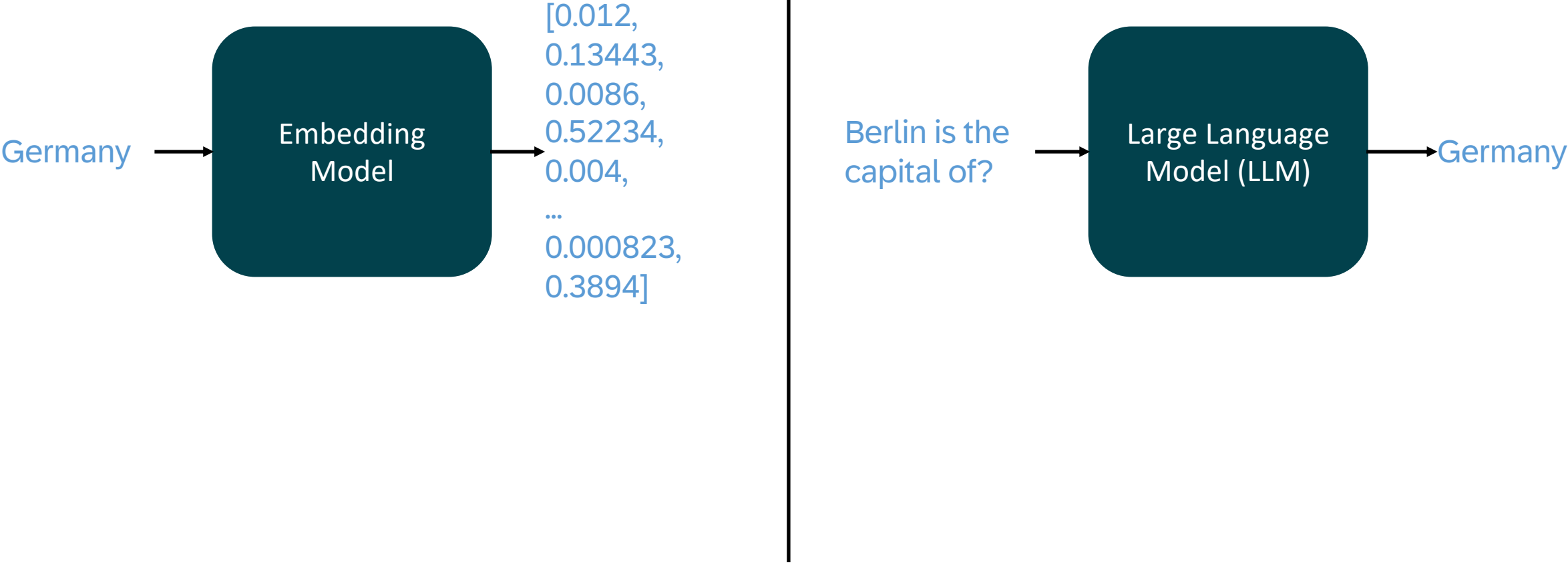
Expose SAP AI Core with the SAP Cloud Application Programming Model

Kevin Riedelsheimer, SAP SE
May 2025



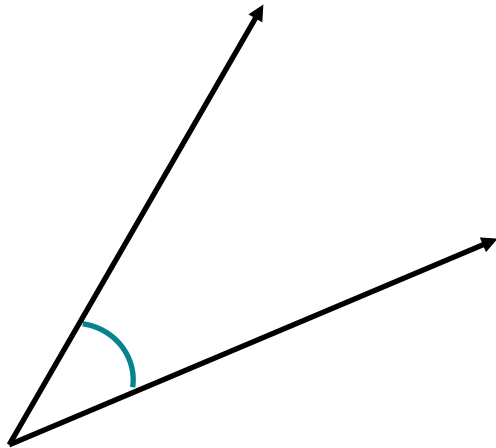
AI Buzzwords

AI Buzzwords – model types

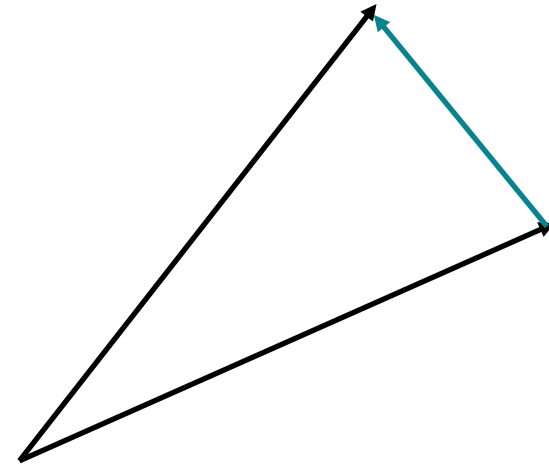


AI Buzzwords - Similarity measures

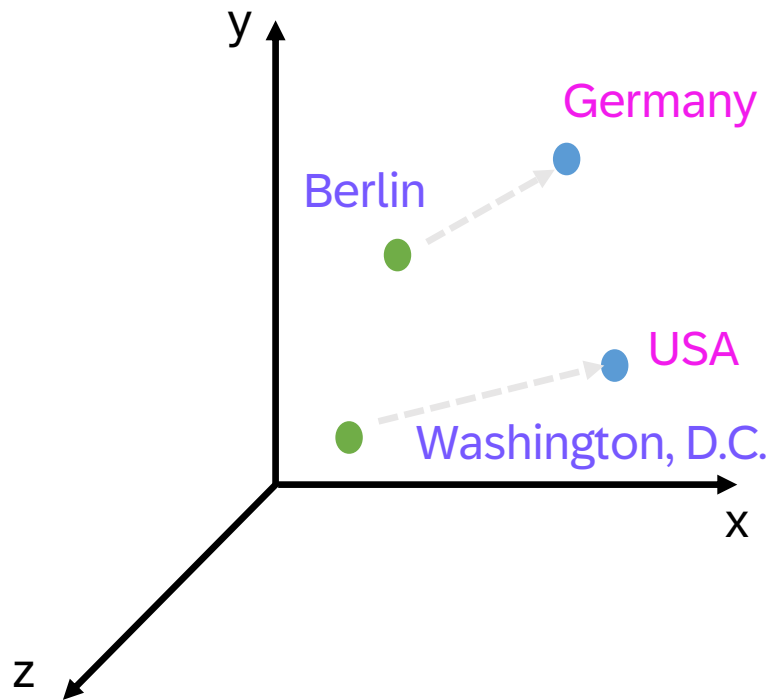
Cosine similarity



L2/Euclidean distance



AI Buzzwords – embeddings



OpenAI:
1536 dimensions

Germany:
x [0.012,
y 0.13443,
z 0.0086,
0.52234,
0.004,
...
0.000823,
0.3894]

AI Buzzwords – Hallucination



The image features two teddy bears. The one on the left looks smaller and has a fluffier texture, while the one on the right is larger and has a smoother appearance. They are being held by two hands against a gray background.

- Source: YouTube channel “FunnyPig”, video: “Hilarious Times Things Look Like Something Else”

AI Dazzwords Disc

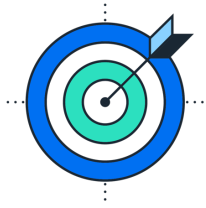


She was a vision of ethereal beauty, with long, flowing hair the color of spun gold and eyes the shade of a stormy sea. Her skin was smooth and radiant, like porcelain, and her smile lit up the room with its warmth and sincerity. She had an aura of grace and elegance that captivated everyone who laid eyes on her, and her gentle, kind nature radiated from her like a beacon of light. She was a true example of beauty, both inside and out.

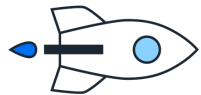


The man was a vision of strength and determination, with a rugged, weathered face that spoke of a life lived on the edge. His piercing gaze held a sense of unwavering focus and intensity, as if he had seen the depths of the world and emerged unscathed. His scruffy beard and wild mane of hair added to his rugged allure, giving him an air of untamed masculinity. His broad shoulders and powerful frame exuded a sense of raw power and resilience, as if he could conquer any challenge that came his way. And yet, there was a hint of warmth in his eyes and a kindness in his smile that spoke of a man who had a heart of gold beneath his tough exterior. He was a force to be reckoned with, a living testament to the indomitable spirit of the human soul.

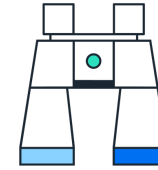
Prompt Engineering



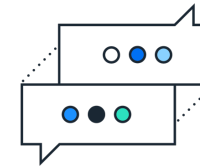
Make prompt as specific as possible



Be creative and try different prompts/wording



More complex prompts can be found here:
<https://www.promptingguide.ai/techniques>



Feed output again and ask for feedback

Prompt Engineering Techniques



Chain-of-Thought

“Let’s think step by step”
“first do this then do that”
“if this do that”



Zero-shot prompting

“Translate this sentence from German to English:
Ich wohne in Heidelberg!”

Few-shot prompting

“Ich heiße Kevin. – My name is Kevin.
Ich wohne in Heidelberg! – ?”



AI Foundation

Relevant

Reliable

Responsible

Joule

A copilot that truly understands your business

Embedded AI capabilities

SAP Cloud ERP

SAP Supply Chain
Management

Human Capital
Management

Spend Management
and SAP Business
Network

SAP Customer
Relationship
Management

SAP Business
Technology Platform

Your customized
AI applications

AI Foundation

on SAP Business Technology Platform

AI ecosystem partnerships and investments



ANTHROPIC





Relevant

Reliable

Responsible

Joule

A copilot that truly understands your business

AI Foundation

on SAP Business Technology Platform

SAP AI Services

Document Information
Extraction

Data Attribute
Recommendation

Personalized
Recommendation

SAP Translation
Hub

AI Lifecycle Management

Generative AI Hub

Business Data & Context

SAP HANA Cloud
Vector Engine

SAP HANA Cloud
knowledge graph engine

SAP Datasphere

SAP Knowledge Graph



SDKs

Python

ABAP

Java

JavaScript



Relevant

Reliable

Responsible

Joule

A copilot that truly understands your business

Embedded AI capabilities

SAP Cloud ERP

SAP Supply Chain
Management

Human Capital
Management

Spend Management
and SAP Business
Network

SAP Customer
Relationship
Management

SAP Business
Technology Platform

Your customized
AI application

Orchestration

Grounding

Prompt templating

Content filter

Data masking

LLM access

Generative AI Hub

on SAP Business Technology Platform

AI ecosystem partnerships and investments



ANTHROPIC



cohere

databricks

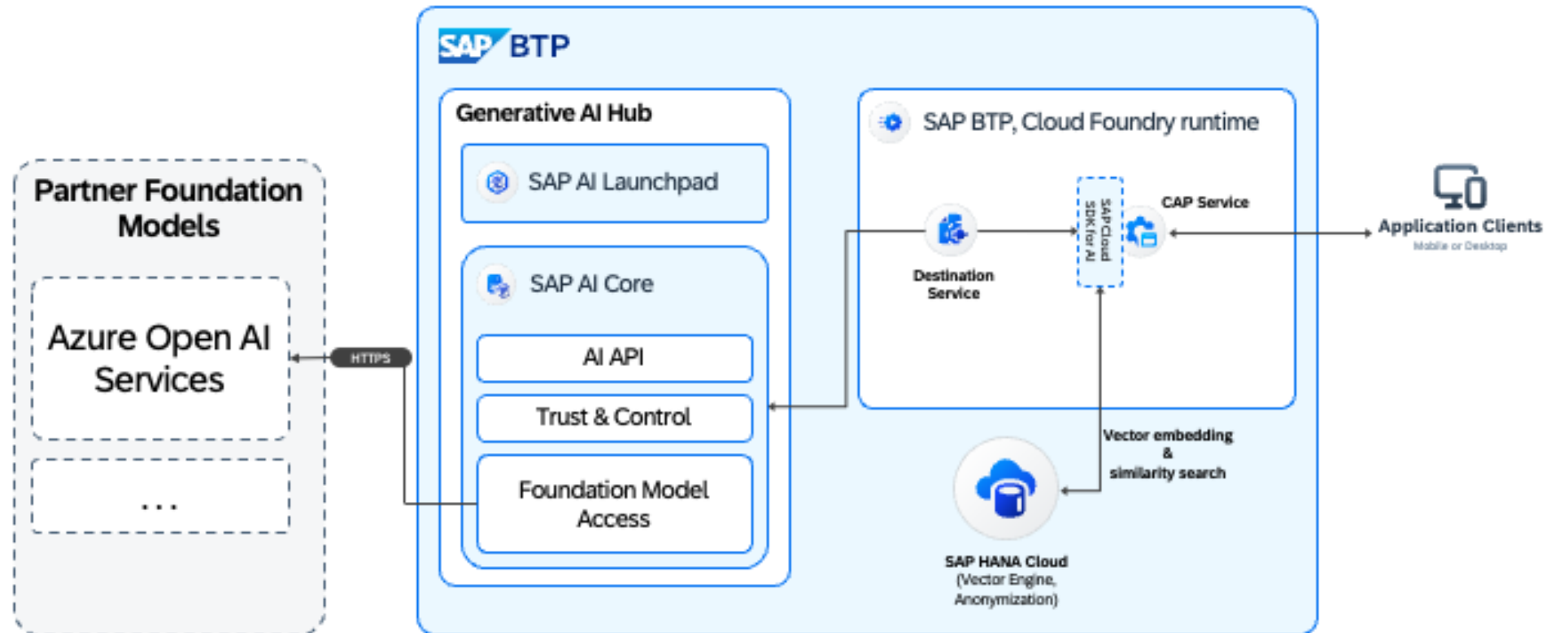
Google Cloud

IBM

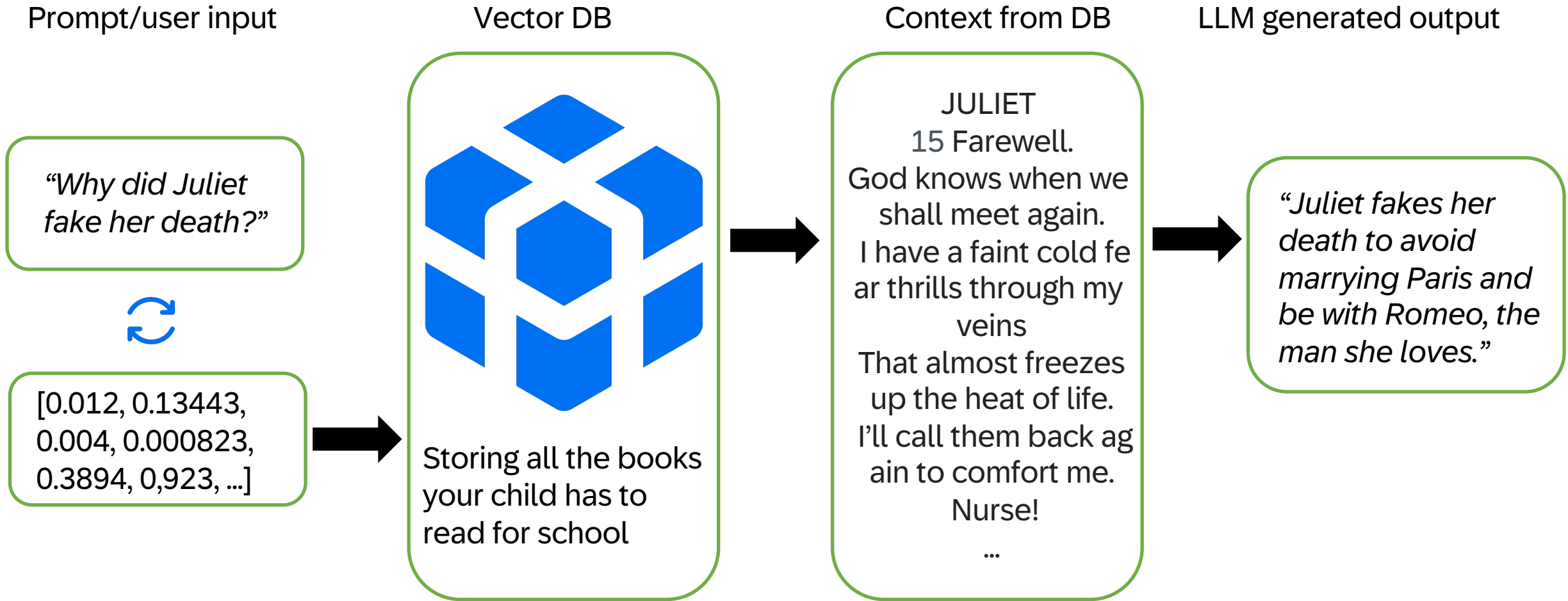
Meta

Microsoft





Retrieval Augmented Generation



Public

Public



Demo

SAP AI Launchpad

Thank you.

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