

AWS re:Invent

NOV. 27 – DEC. 1, 2023 | LAS VEGAS, NV

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Accelerate generative AI development with integrated data platforms

Francesco Tisiot

(he/him)

Staff Developer Advocate
Aiven



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Francesco Tisiot

Data Aficionado

Generative AI



Public Data



PRIVATE



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A close-up photograph of numerous wooden puzzle pieces scattered across a dark surface. The pieces are light-colored with dark, interlocking notches. They are piled haphazardly, creating a sense of disarray or a work-in-progress.

What Do We Need?

Shared Language

diction /'dɪkʃ(ə)n/ *n.* manner of articulation in speaking or singing
dictio from *dico* *dict-* say

dictionary /'dɪkʃənəri/ *n.* (pl.) book listing (usu. alphabetically) explaining the words of a language giving corresponding words in another language. 2 reference book etc.



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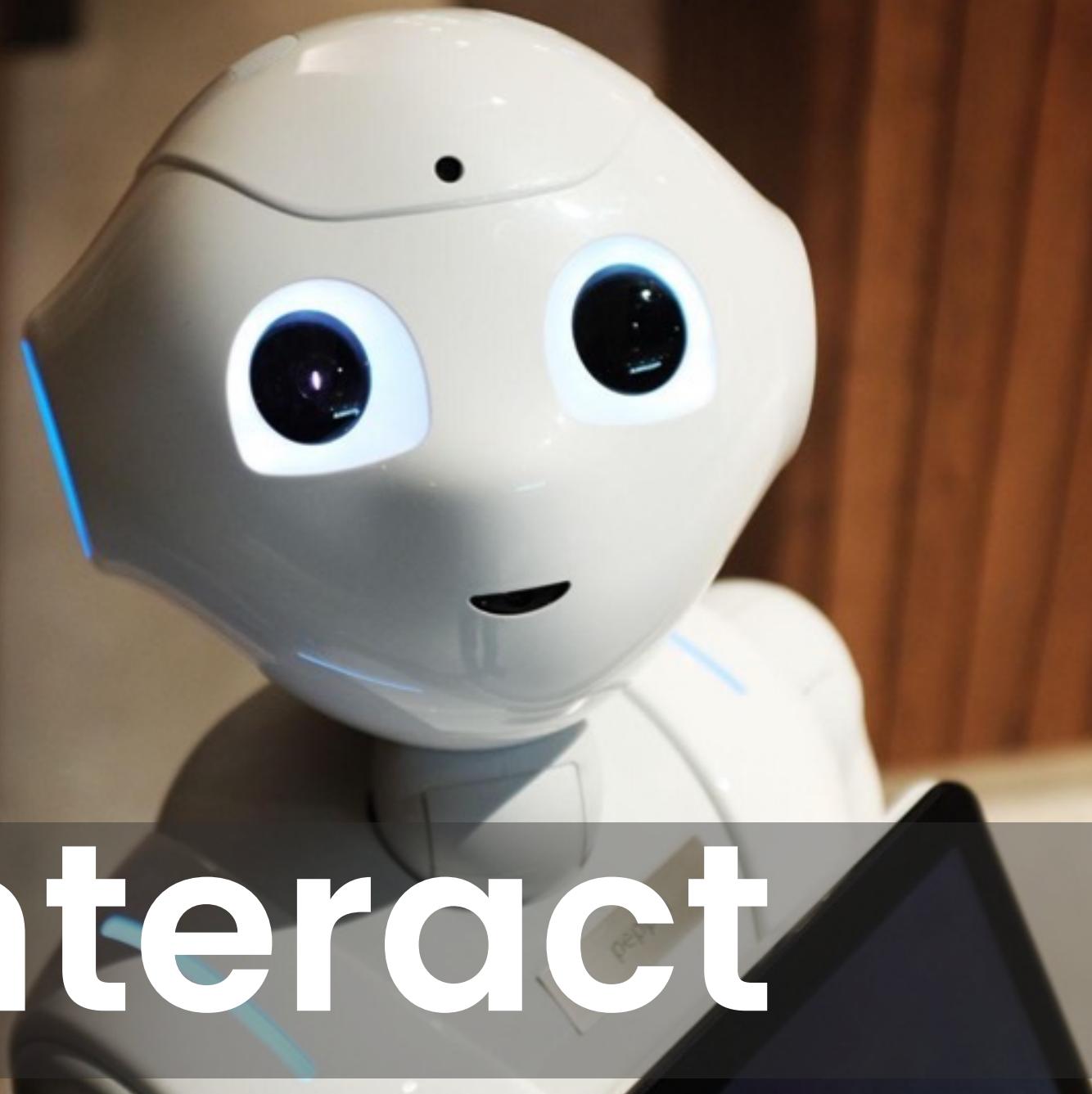
Embeddings

Harvest Data



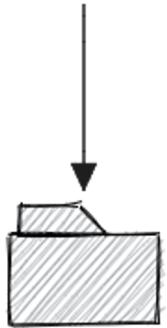


Interact



Fine-Tuning

Prompt Assembly



Ok I understand
your technical
documentation

How does
product A
work?

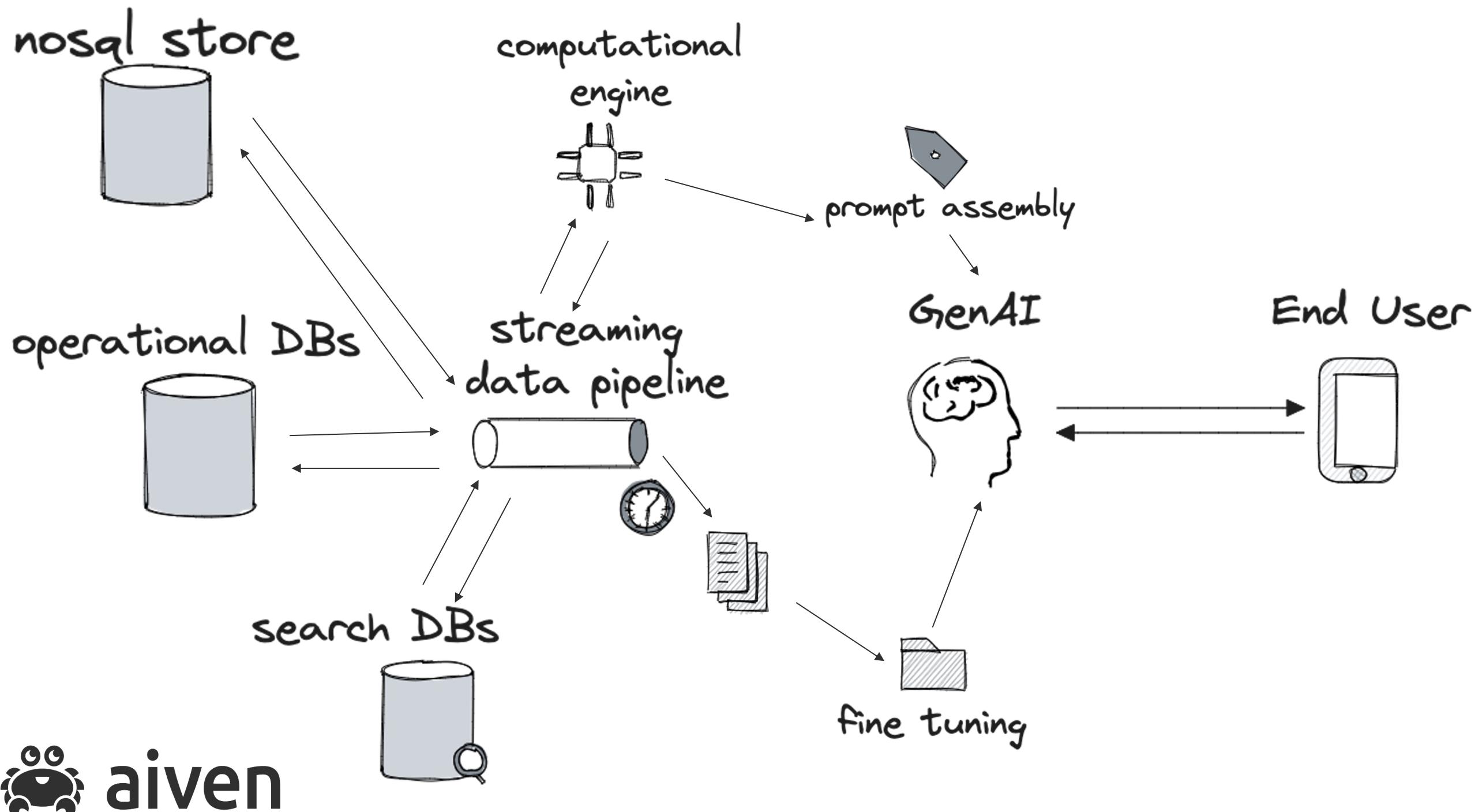
Hi Customer AAAA, I see
you had errors using
Feature X do you want
to know more?

Yes thanks

You can work on Feature
X in Product B by...

A close-up photograph of a pile of colorful LEGO bricks. The bricks are of various colors including grey, orange, white, blue, and black. They are stacked and overlapping each other, creating a textured, geometric pattern.

Connect All the Pieces





Does It Seem Complex?



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trusted
open source
data platform
for everyone

Event Streaming Relational DBs Wide Column Key-Value DBs

Aiven for Apache Kafka®



Aiven for Apache Flink®



Aiven for MySQL



Aiven for PostgreSQL®



Aiven for Cassandra®



Aiven for Redis®



Data Warehouse

Aiven for ClickHouse®



Time Series DBs

Aiven for M3



Aiven for InfluxDB



Search engines Data Visualization

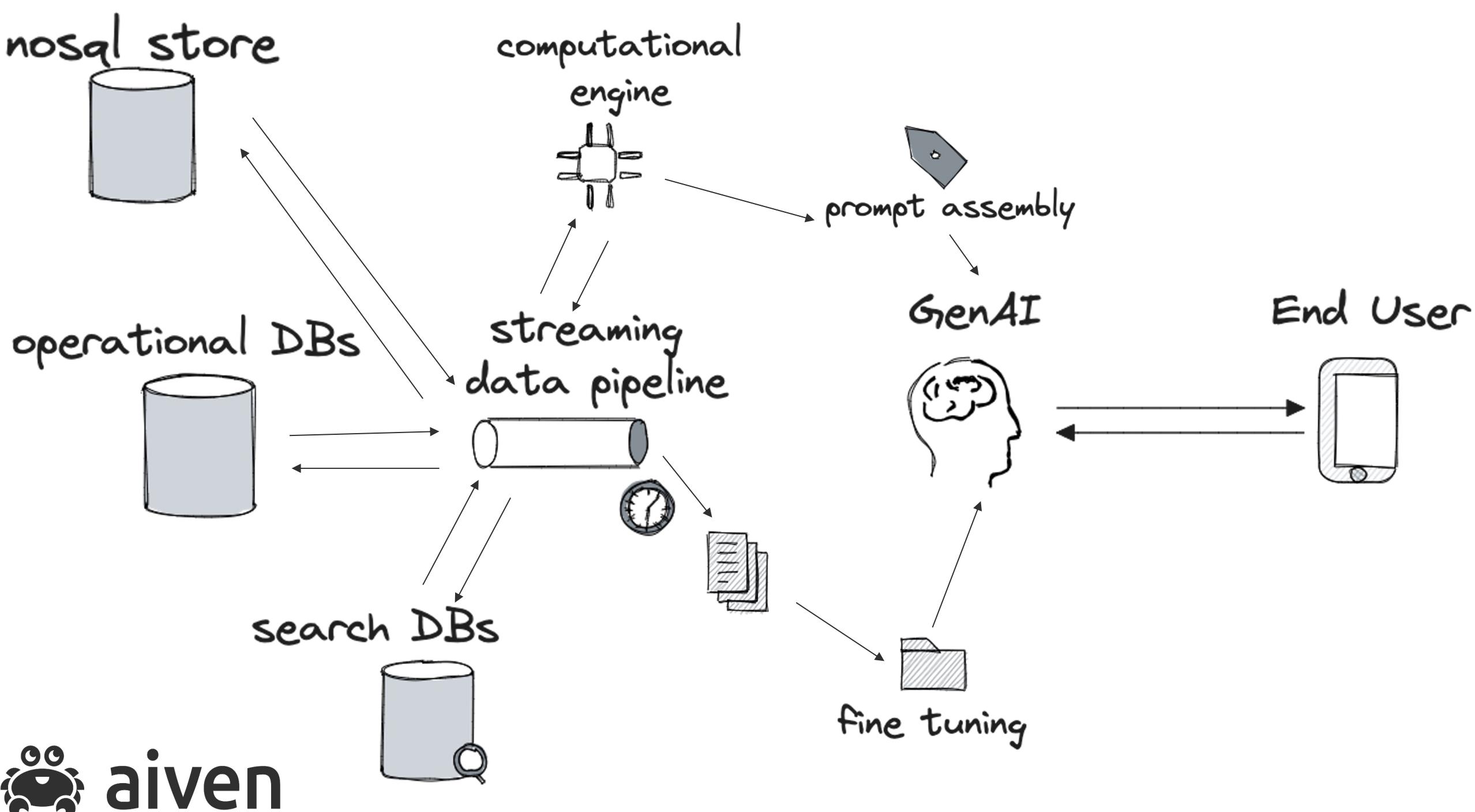
Aiven for OpenSearch®

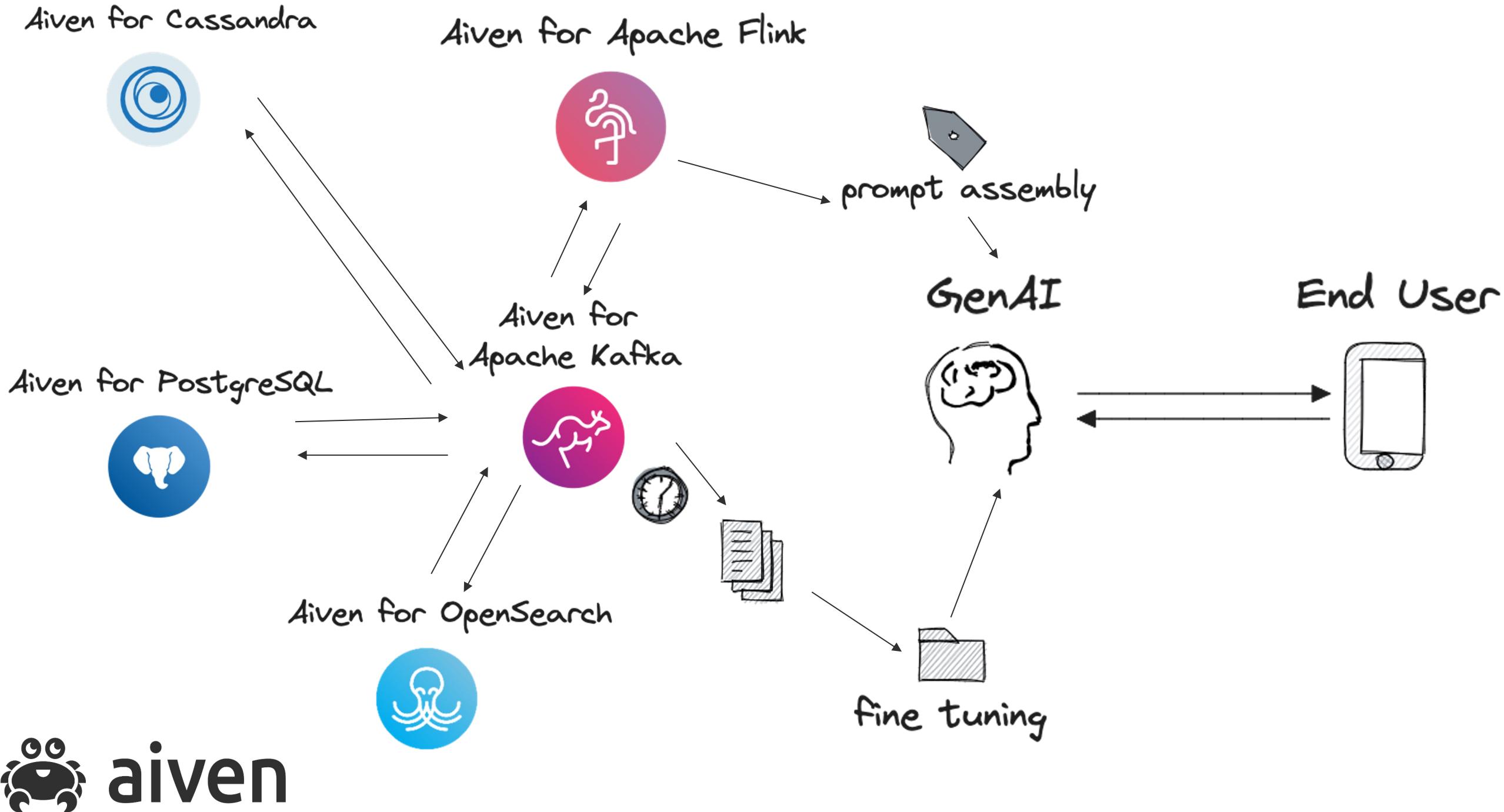


Aiven for Grafana®



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Aiven for Cassandra



Aiven for Apache Flink



Aiven for PostgreSQL



Aiven for
Apache Kafka



Aiven for OpenSearch

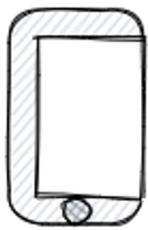


prompt assembly

GenAI



End User



fine tuning

okta



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Norauto

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goto financial

spare

Schibsted

TOYOTA

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CONRAD

adeo

ometria

WÄRTSILÄ

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Rahul Nandi
Lead Data Engineer

Using the **Aiven platform as a backbone**, we accelerated the development of the **predictive AI for education**, which helps teachers identify students who need assistance in real time and provide them with targeted support.





labelf



Per Näslund
CTO & Co-founder

Aiven for OpenSearch provides a unified engine to perform **vector similarity and text search queries** backing up Labelf AI's customer support **classification models and preventative AI.**





Jitender Arora
Chief Product Officer

By combining **Aiven's data platform** with **Sway AI's modeling and insight capabilities**, we can offer an end-to-end answer for customer data platform needs.





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The
Integrated
AI Backbone



Data Zone – Builders' Fair

Booth **1629**



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Thank you!



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survey in the mobile app

Francesco Tisiot

X @ftisiot

in linkedin.com/in/francescotisiot