



# Livestream

**Deploy Generative AI agents for your  
day-to-day work in production at Scale with  
Glean and DataStax.**



jesikaharia



jharia



jesikaharia

# › Jesika Haria Product



- ❑ Lead Structured Data at Glean
  - ❑ Covering data analysis, apps, databases, warehouse and BI tools
- ❑ Founder, LogicLoop (acq by Hummingbird)
  - ❑ Speaker at Data Council, Fintech Meetup, Marketplace Risk Conferences
- ❑ Founding Engineer, Instabase
  - ❑ OCR & Data Refinement for Fortune 100s
- ❑ Sr Engineer, Trifacta
  - ❑ Helped build Google Cloud Dataprep



clun



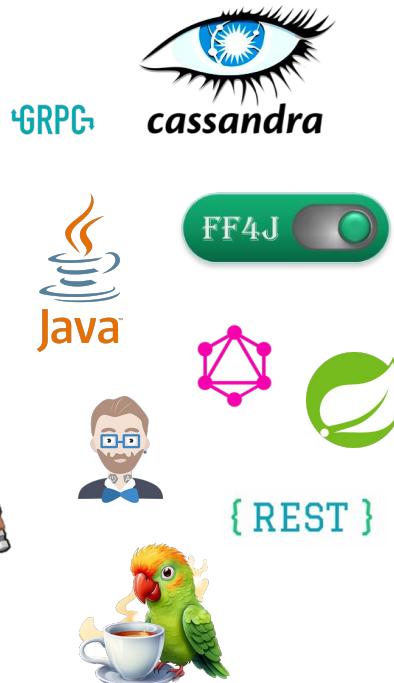
clunven



clunven

# › Cédrick Lunven

## Software Engineer



### Stuff I do

- Creator of ff4j (ff4j.org)
- OSS dev for 15+ years
- Distributed Systems & Tools (clients, sdk, cli)

### AI

- DataStax Products
- Dev Ecosystem
- Langchain4j
- Spring AI

# ➤ HouseKeeping

It is a-live !

LIVE  
12:52

Are transformers the future? Robot Cafe Follow

Generative Ai and LLMs

Artificial Intelligence

Machine Learning – unsupervised, supervised, reinforcement learning

Deep Learning – ANN, CNN, RNN...

Generative AI – GAN, VAE, Transformers...

Data Science

NLP

Image Gen – GAN, VAE

LLMs – Transformers

Kristin Watson Host

Welcome to show! Let us know where in the world you're tuning in from? And what are you drinking today? ☕

Jane Evelina

Sipping some celadon today 😊 Oh and hanging out in Boston

Robert Fox Speaker

Great to see you again Jane!

Safiye Asabe

Just me and my green tea today.

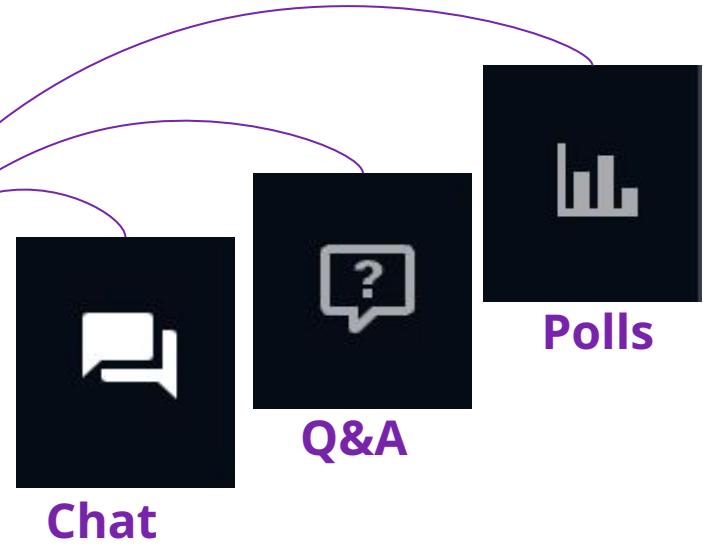
Floyd Miles

Got my pu-erh and tuning in from Sydney 🌟

Share Options

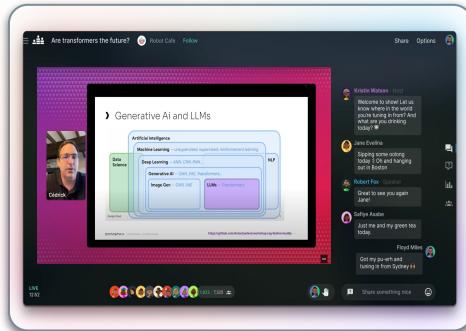
Share something nice

1,923 / 7,325

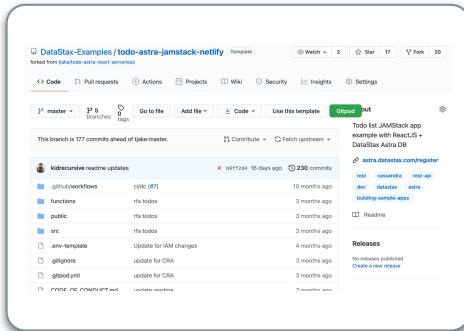


# ➤ HouseKeeping

It is a-live !



Code + Slides + demos

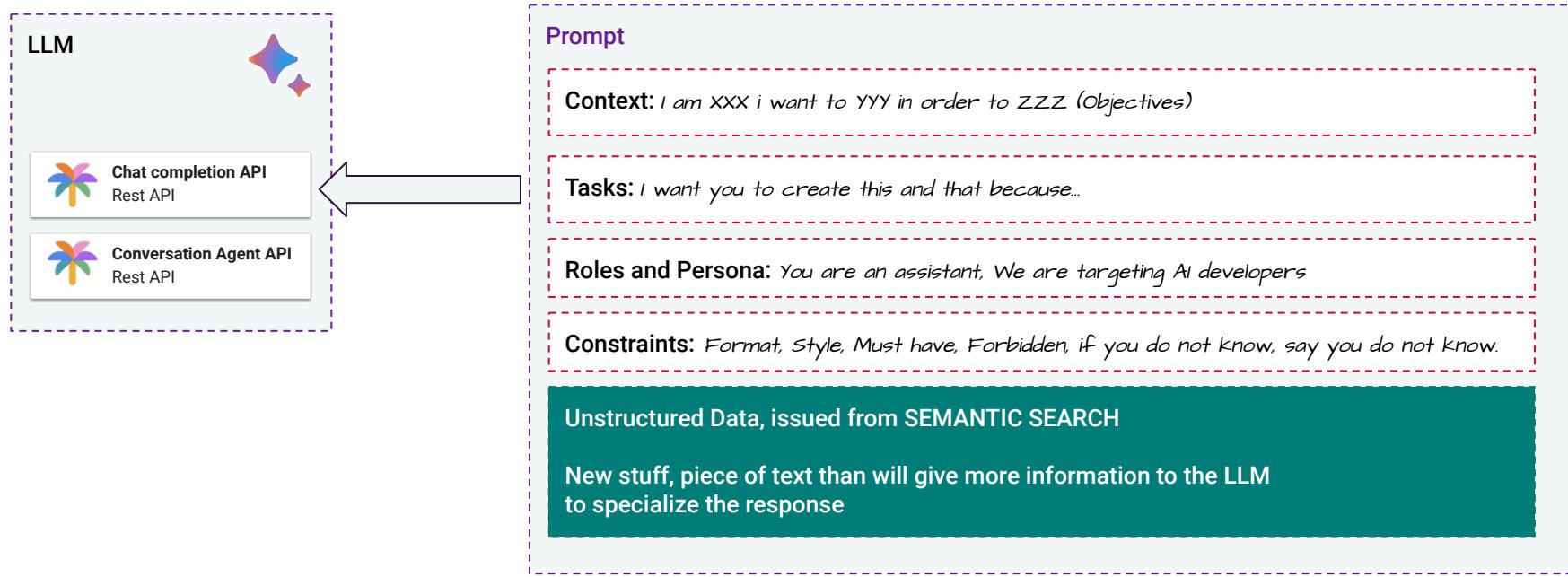


<https://github.com/datastaxdevs/workshop-datastax-glean>

Quizz

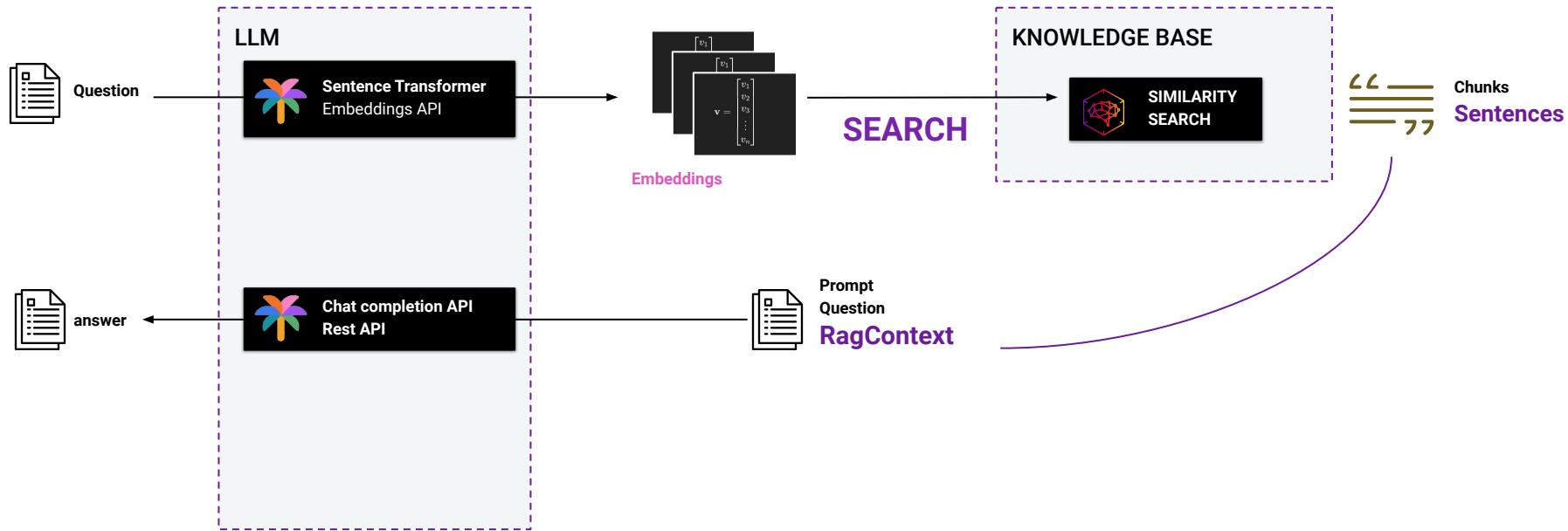


# ➤ Retrieval-Augmented Generation



# ➤ Retrieval-Augmented Generation

## Retrieval



# Agenda

- **Work AI for All**  
Introducing Glean
- **DataStax AI SaaS Platform**  
Build GenAI applications at scale.
- **Thrive with Langflow**  
Enrich your genAI application with Glean Knowledge
- **Indexed Anything, Anywhere, Anytime**  
Indexed AstraDB data into Glean
- **Quizz, Games**

➤ Work AI for ALL

# glean



# Glean is Work AI for all.

Connect and understand all your enterprise data, to generate trusted answers and automate work grounded in company knowledge.



## Good morning, Andy

Search for anything at Acme

Suggested for you

✓ All apps ▾

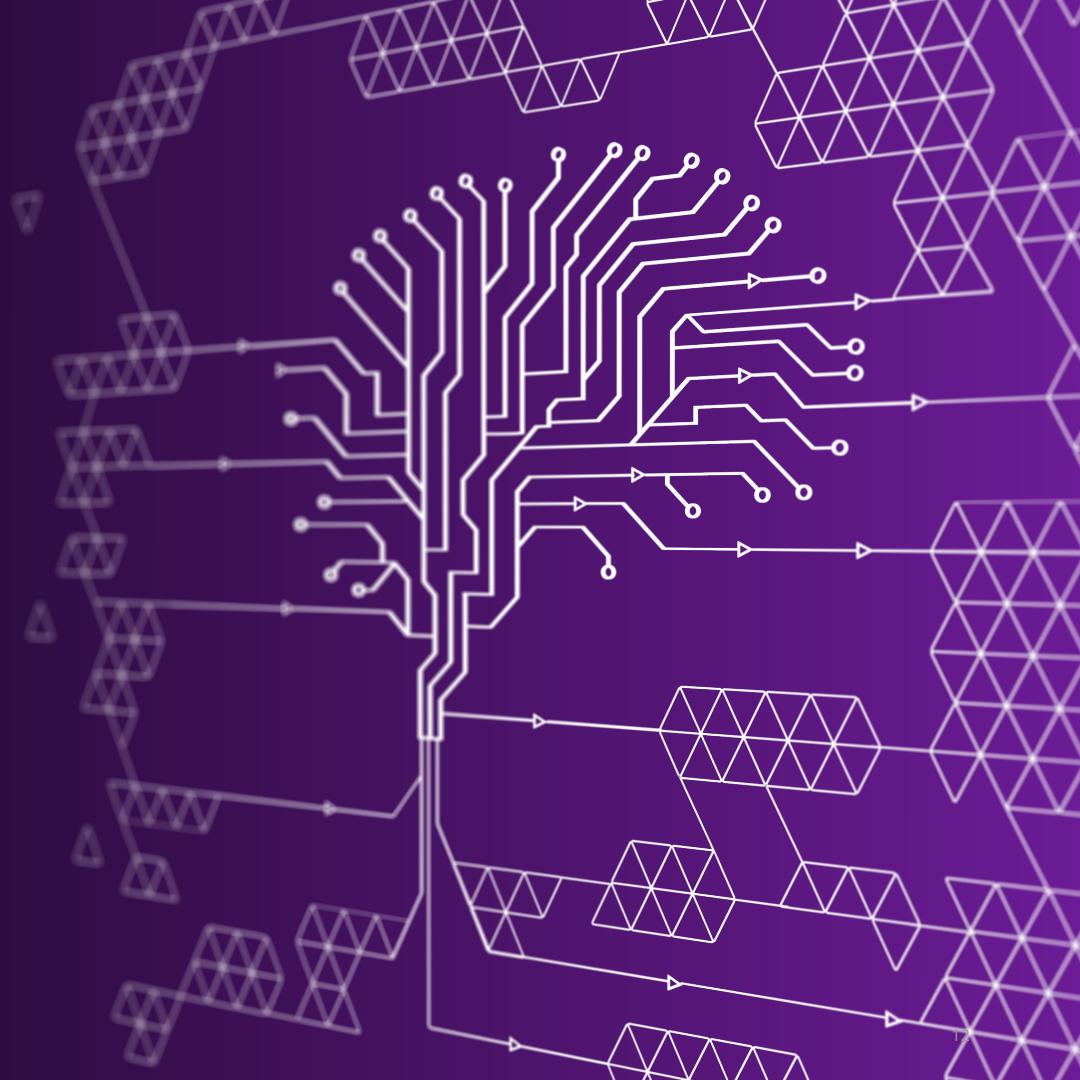
-  Engineering Q3 OKRs  
 Alan, Pancham, Arvind, and others mentioned you • 10m ago
-  Lane assist upgrade security implications  
 Tony mentioned you • 1.5h ago
-  [Pen-test] Issue23: [XSS] Sanitize all URLs  
 Piyush and Han mentioned you • 2h ago
-  Mobile app ready. Download now!

# The Work AI platform for quickly & securely bringing AI into the enterprise.





# DataStax AI SaaS Platform



# Over a Decade of Real-Time Innovation

## Database

Built on  
Apache Cassandra for  
infinite scale

## DBaaS

Astra DB:  
Multi-cloud, serverless  
Apache Cassandra at a  
lower cost

## Data as a Service

Astra Streaming:  
Streaming at  
scale built on  
Apache Pulsar

## Real-time AI

There is no AI  
without data



**90%**

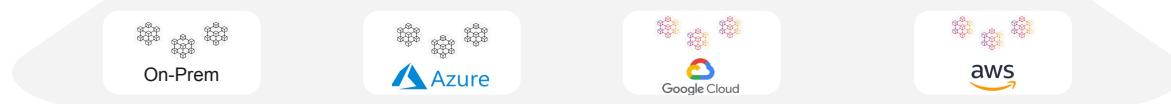
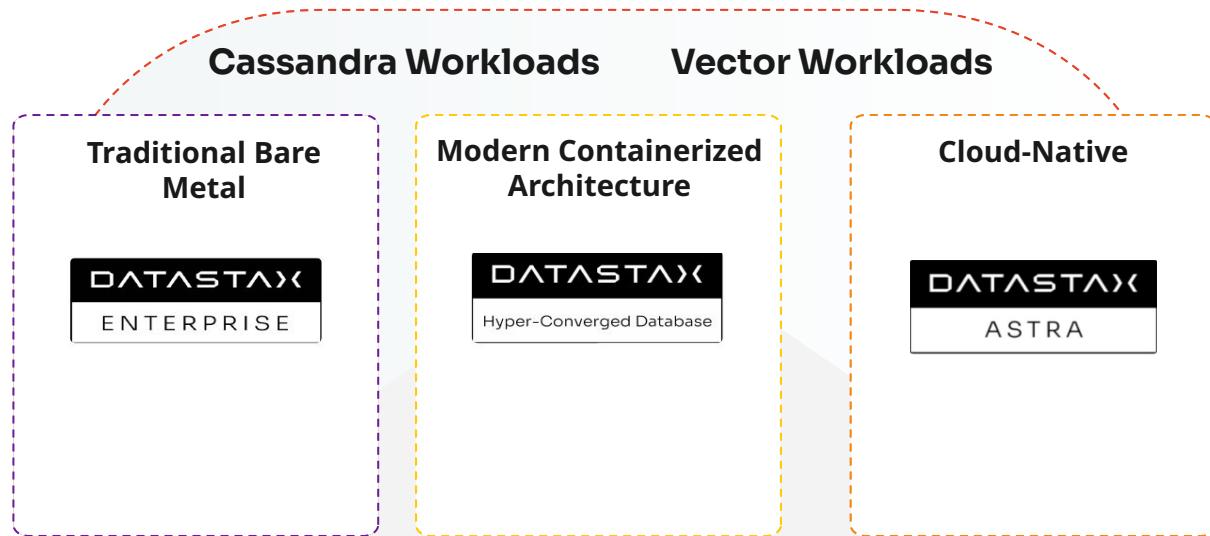
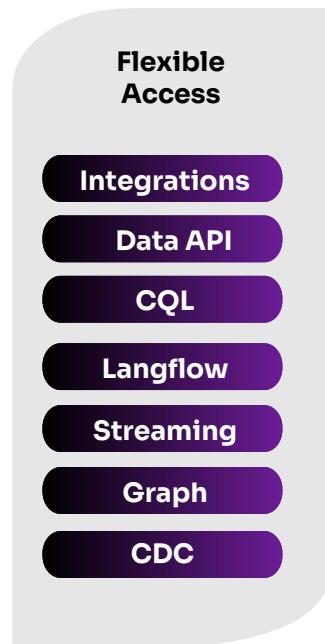
New apps  
containing AI, ML<sup>1</sup>



**10X**

Growth of real-time  
data<sup>1</sup>

# ➤ All-in-one Real-Time AI, Managed Your Way



Cassandra      Pulsar      Langflow

LUNA Enterprise Support

# › DataStax AI PaaS



## DATA PLATFORM



Into production on ONE platform

## DataStax AI PaaS

- Based on customer needs
- Opinionated and pre-configured
- Agility, rapid iteration and deployment

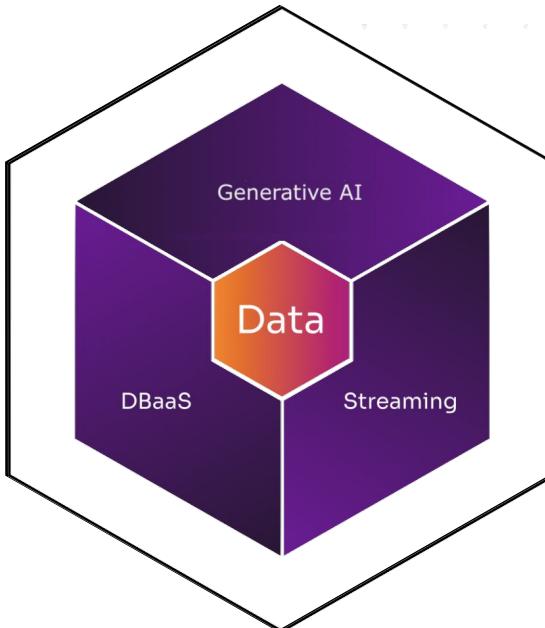
# ➤ Astra Tour !



Real-Time AI



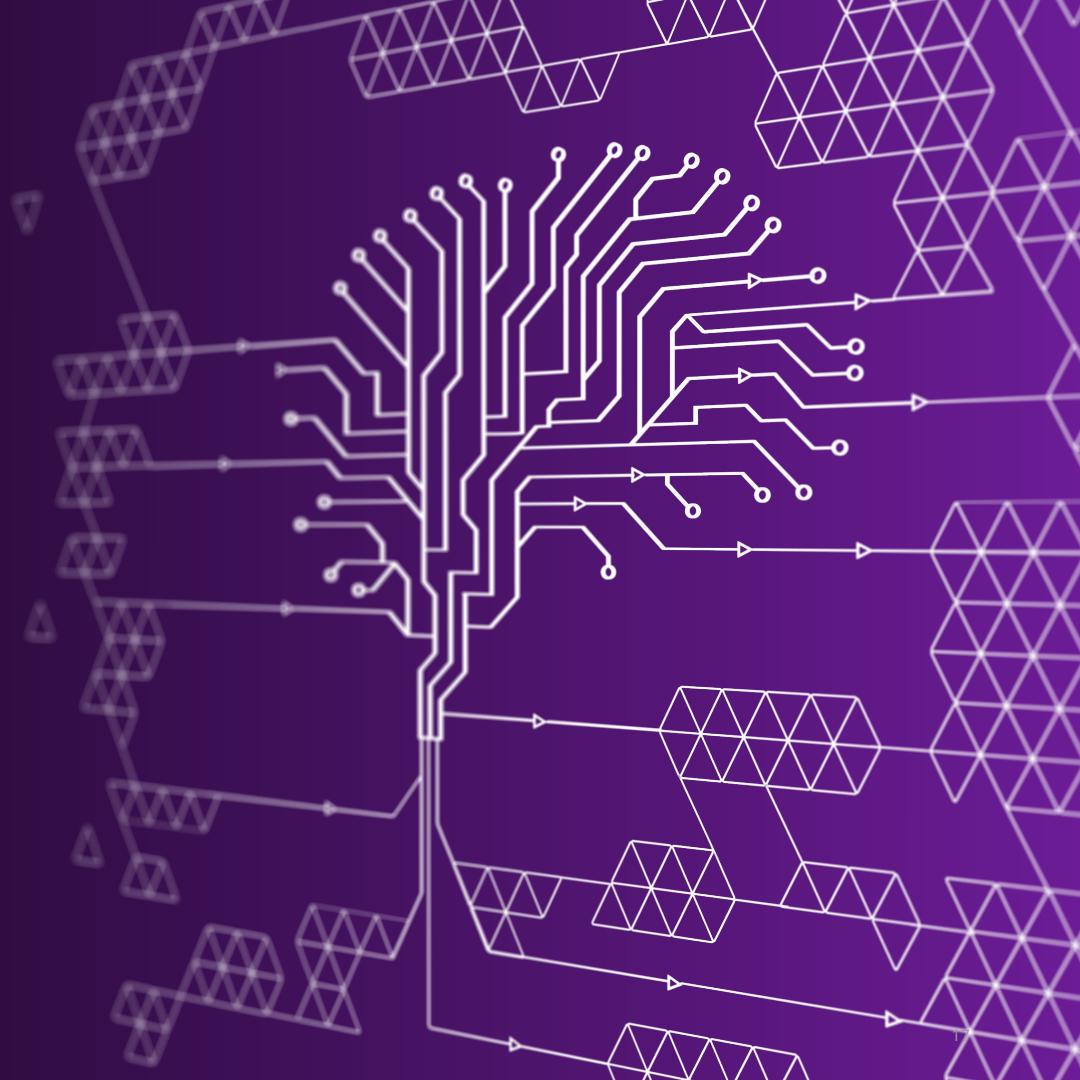
platform



- ▶ Complete, open data stack
- ▶ Any data, any type, at scale
- ▶ A data platform for Generative AI
- ▶ Exceptional Cloud Economics
- ▶ Built for any cloud, with cloud economics
- ▶ Enterprise-ready with zero ops



# Thrive with Langflow



# ➤ DataStax Langflow - low/no code solutions

ORCHESTRATION

Agents    Prompts    Tools    Models    Vector Stores    Embeddings    Helpers

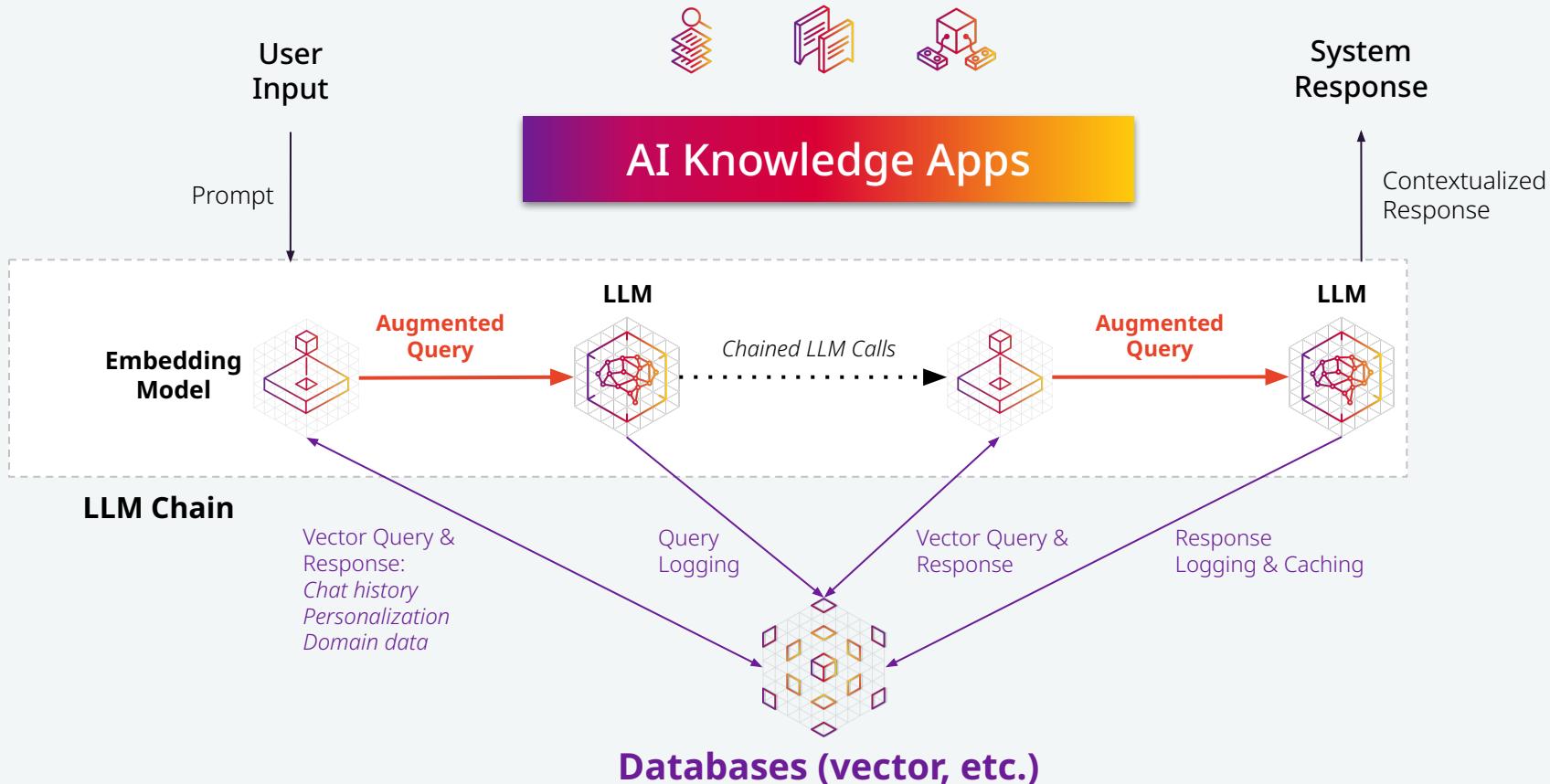
The screenshot shows the DataStax Langflow interface with a yellow border around the main workspace. On the left, there's a sidebar titled 'Core Components' with sections for Inputs, Outputs, Data, Models, Helpers, Vector Stores, Vector Search, and Embeddings. At the bottom of the sidebar is a 'Langflow DataStax' button. The main workspace contains three components connected by arrows:

- Chat Input**: A component with a message field containing "What did the author do?". It has an output arrow pointing to the **Astra DB Search** component.
- Astra DB Search**: A component with fields for Token (set to "User"), API Endpoint (set to "https://a05c6cc8-3e35-4b10-a01b-43d24b..."), Collection Name (set to "langflow\_demo\_01"), and Input Value (with a placeholder "Type something..."). It has an output arrow pointing to the **Extracted Chunks** component.
- Extracted Chunks**: A component with a Value field (placeholder "Type something...") and a Text field (checkbox). It has an input arrow from the Astra DB Search component and an output arrow pointing to the "Value" field of the **Extracted Chunks** component.

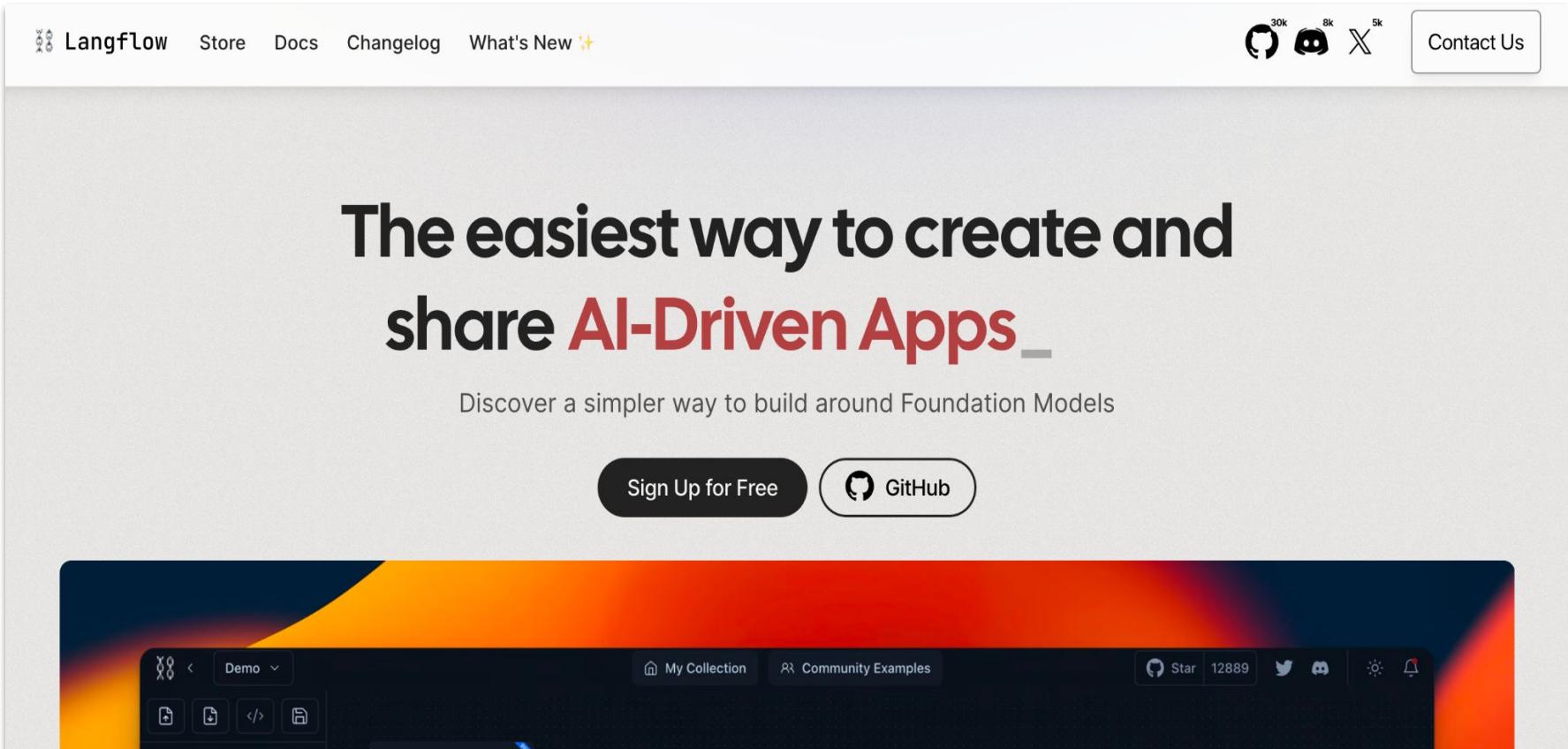
At the bottom right of the workspace are buttons for **Run**, **</> API**, and **Share**.



## Demo



➤ Langflow.org



The image shows the Langflow.org homepage. At the top, there's a navigation bar with links for Langflow, Store, Docs, Changelog, and What's New. To the right of the navigation are social media icons for GitHub (30k), LinkedIn (8k), and X (5k), and a Contact Us button. The main headline reads "The easiest way to create and share AI-Driven Apps". Below the headline is a subtext: "Discover a simpler way to build around Foundation Models". There are two calls-to-action: "Sign Up for Free" and a GitHub icon. At the bottom, there's a screenshot of the Langflow interface showing a dark-themed dashboard with various tools and a preview area.

Langflow Store Docs Changelog What's New 🎉

30k 8k 5k Contact Us

# The easiest way to create and share AI-Driven Apps

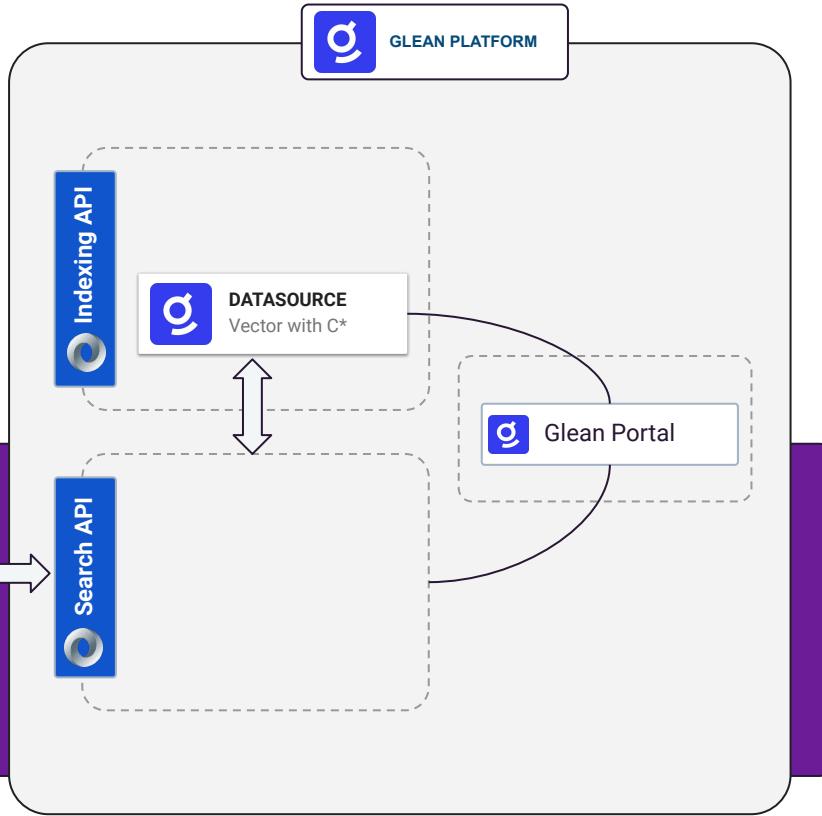
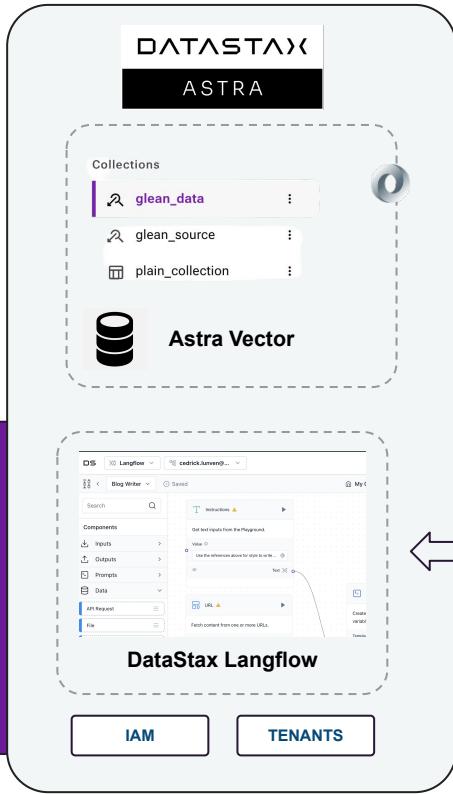
Discover a simpler way to build around Foundation Models

Sign Up for Free GitHub

Demo ▾ My Collection Community Examples

Star 12889 Twitter GitHub 🔍 🔔

## Langflow glean component



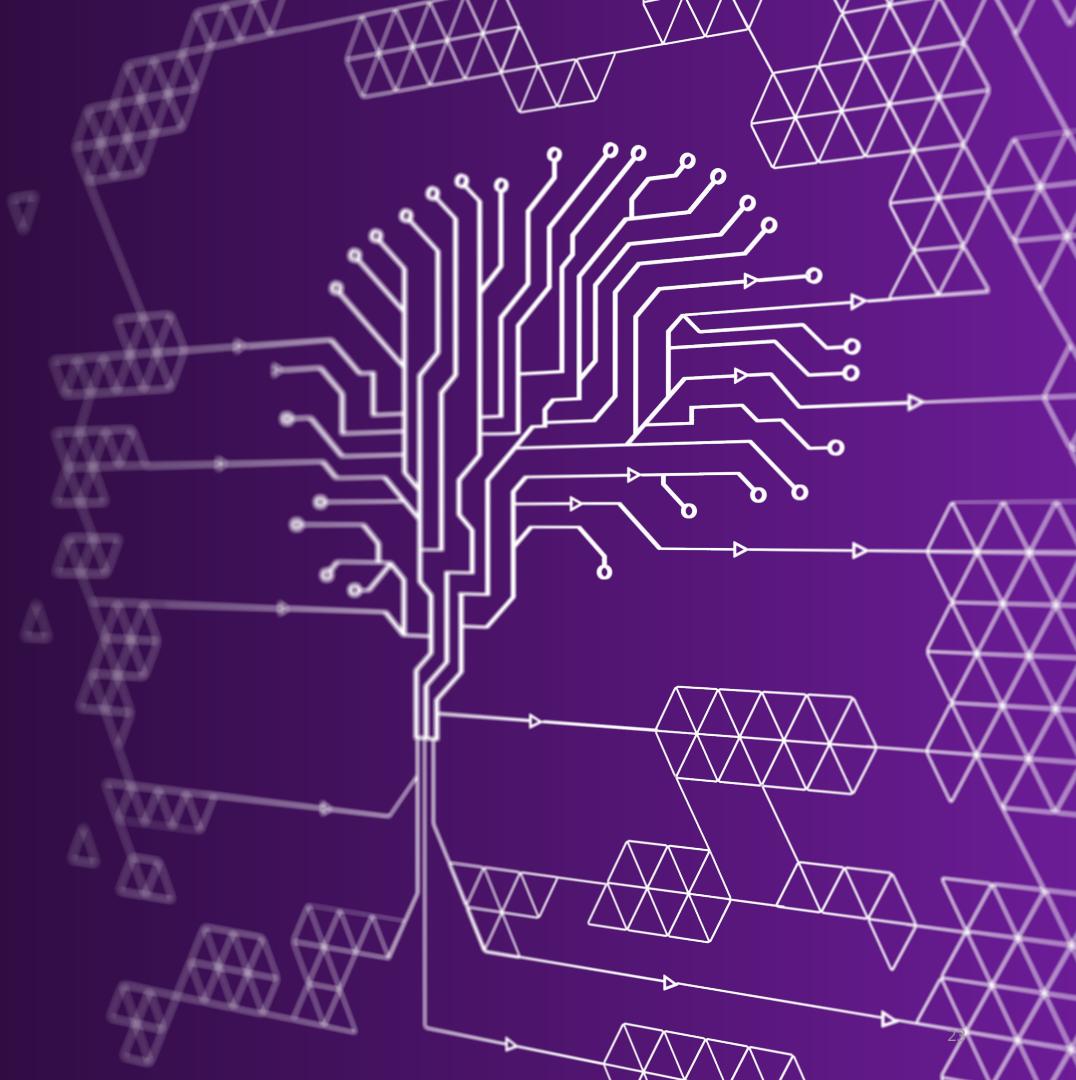


# Demo

## Thrive with Langflow

[github.com/databricksdevs/workshop-rag-fashion-buddy](https://github.com/databricksdevs/workshop-rag-fashion-buddy)

Index  
Anything,  
Anywhere,  
Any Time

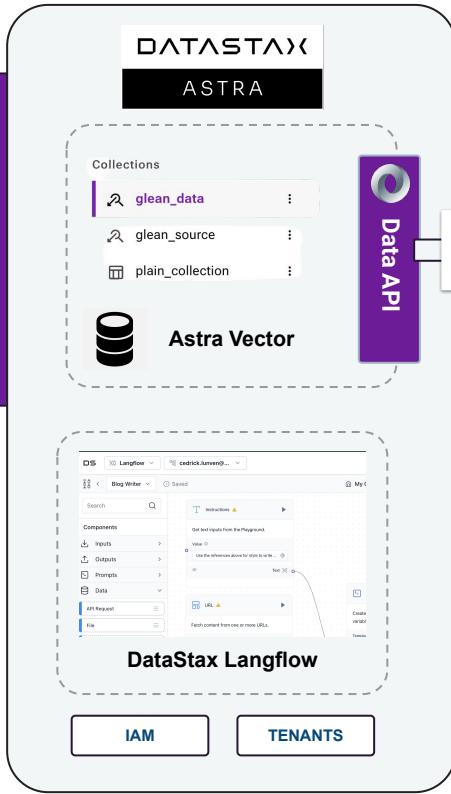




DataStax is named a Leader for Vector Search in Forrester's first Vector Database report

**The only hybrid vector database Leader.**

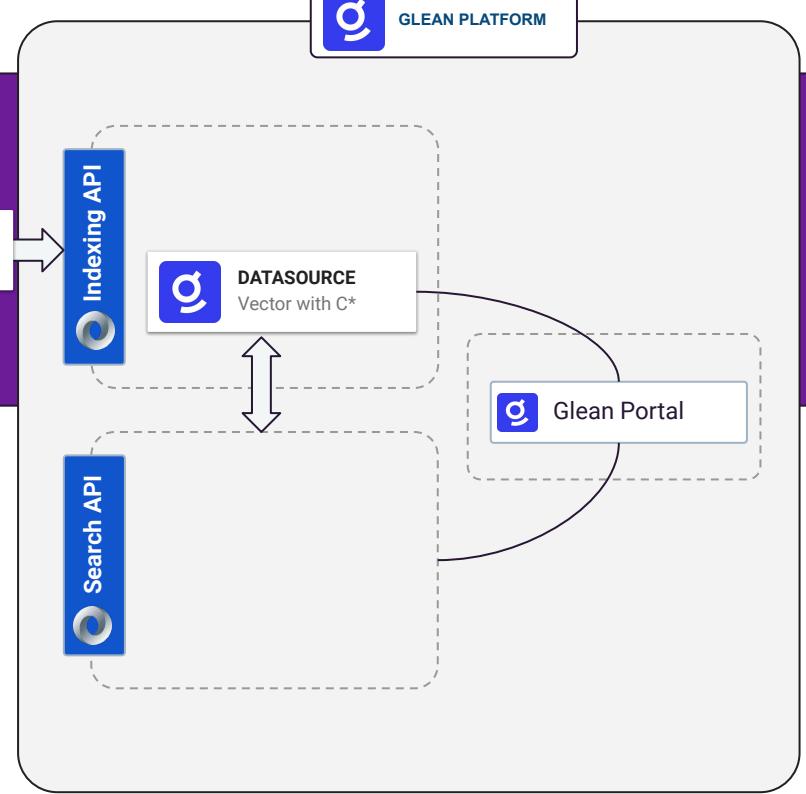
## Astra Glean Datasource



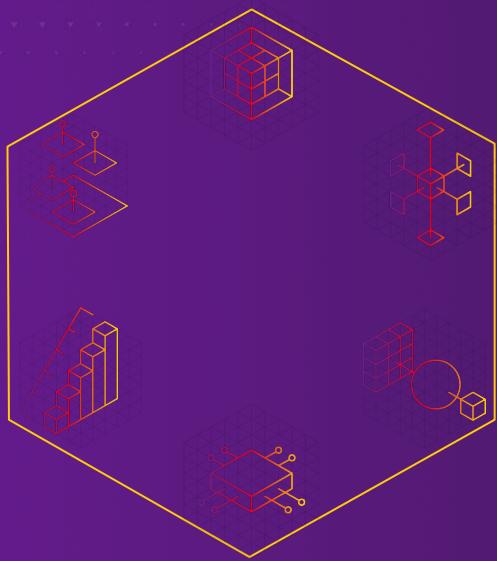
Data API



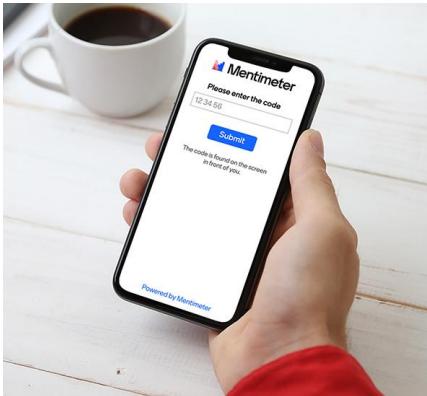
Import JOB  
Push Data To Glean



# Demo Glean Assistant



# Quizz



Go to  
**www.menti.com**

Enter the code

**94 59 08 2**



DATASTAX

glean