

# SECSavvyNow

## Cracking the AI Code: Enterprise AI Hackathon

Feb 9, 2024

### Disclosure:

We, the participating team from ServiceNow, would like to clarify that the project we are undertaking for this hackathon is entirely an initiative by our team and does not represent an official project or undertaking by ServiceNow as a company

# Agenda

Team

Opportunity

Solution

Value

Market Size

Demo

Next Steps & Learning

# Team



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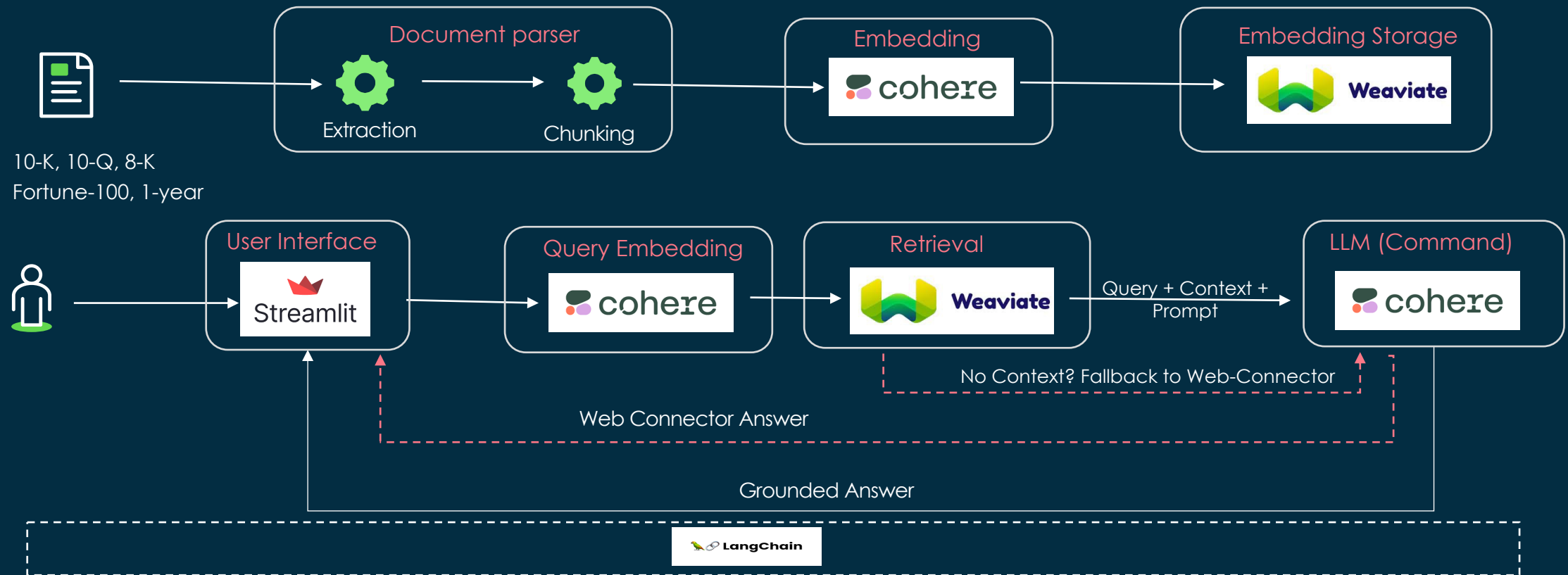
Rajeev Khurana

# SECSavvyNow - Opportunity

- SEC filings offer investors critical insights into a company's financial health, operational performance, and strategic direction, enabling informed investment decisions
  - Navigating SEC filings like 10-Ks, 10-Qs, and 8-Ks is complex and time-consuming for investors and analysts
  - SEC filings are an untapped resource for sales teams to find opportunities by assessing company health and challenge

# SECSavvyNow - Solution

- Generative AI-powered application developed using Retrieval-Augmented Generation (RAG) and LangChain technologies
- Transforms complex SEC filings into clear, actionable insights for all stakeholders
- Tailored for Individual Investors, Financial Analysts, and Enterprise Sales Teams, offering bespoke information delivery.



# SECSavvyNow- Value ✨

RYAN



## Individual Investor

Exponentially faster  
time to decision  
making and risk  
assessment

LISA



## Financial Analyst

In-depth analysis of  
market trends and  
company  
performance

Olivia



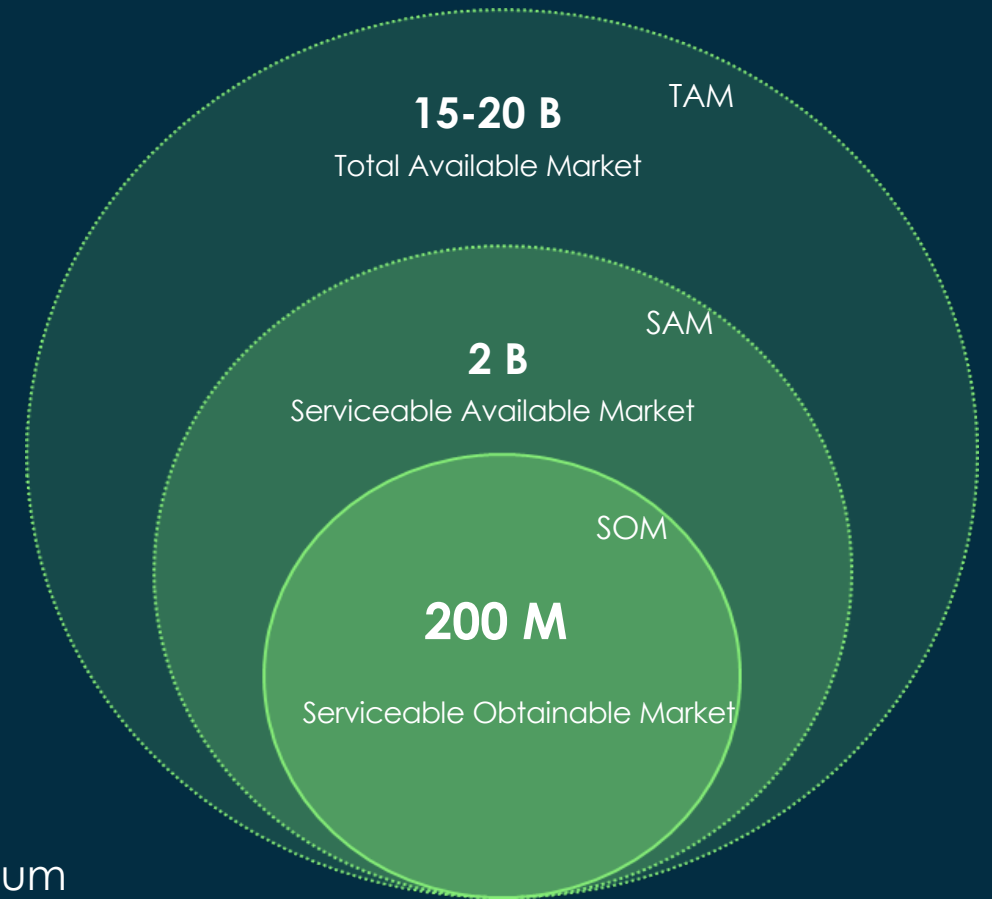
## Enterprise Sales

Quickly find sales  
opportunities from  
insights about  
company health



# Market Size and Revenue Stream

- The market size of **financial information and analytics market** is estimated at USD 10.83 billion in 2024, with projections to reach USD 19.31 billion by 2029. This growth is expected at a Compound Annual Growth Rate (CAGR) of 12.25% during the forecast period from 2024 to 2029 <sup>[1]</sup>
- SECSavvyNow caters to a niche but critical need within finance and investment sectors, offering insights derived from the wealth of data contained in filings such as 10-Ks, 10-Qs, 8-Ks, and others
- Revenue Streams:
  - Individuals
    - Monthly subscription fee
    - Tiered pricing structure – basic(ad supported), & premium
  - Enterprise
    - Enterprise plan for providing Sales Insights



# DEMOS

Demo of various Capabilities built

1

Summarize

2

Q & A

3

Compare



# Learnings & Next Steps

## 1 Learnings

Positives:

- Cohere Embedding yielded promising results and high efficiency
- Weaviate made it seamless spin up and productionize a Vector database
- LangChain is proven to be very versatile with a great level of abstraction

Opportunities:

- Cohere Token Limit imposed a challenge on the extend of RAG solution
- Cohere Chat latency & Summarize have room for improvements
- Weaviate Cloud Service (WCS) hit a storage limit
- WCS intermittent connection issue
- LangChain syntax at times is not intuitive

## 2 Next Steps

- Automated Pipeline for Ingesting and Parsing Financial Reports over Time
- Extend the catalogue of companies beyond Fortune 100
- Optimizing the "Chain" to reduce the latency
- Add Caching to reduce the latency
- Adding LLM-Generated Content for Chunking/Indexing
- Fine-tuning the embedding using historical financial reports
- Improving Semantic Routing for "Compare" use-case
- Leveraging Multi-Representation Indexing (rational)
- Implementing Feedback Loop

# Thank You