

AI agents and its applications

What is an AI Agent?

Program	+	Goal	+	Planning	+	Perception	+	Tools	+	LLM
		Research and write an email to 100xengineers for applying as an alumni mentor		It will check if it knows enough about 100x. If it doesn't, it will do web search Once the mail is drafted, it will evaluated if the email is sounding convincing enough. If not, it will iterate		(by getting the right context)		GSearch Gmail		Llama 3

What's missing?

Simulacra of human behaviour

<https://arxiv.org/pdf/2304.03442>

Generative Agents: Interactive Simulacra of Human Behavior

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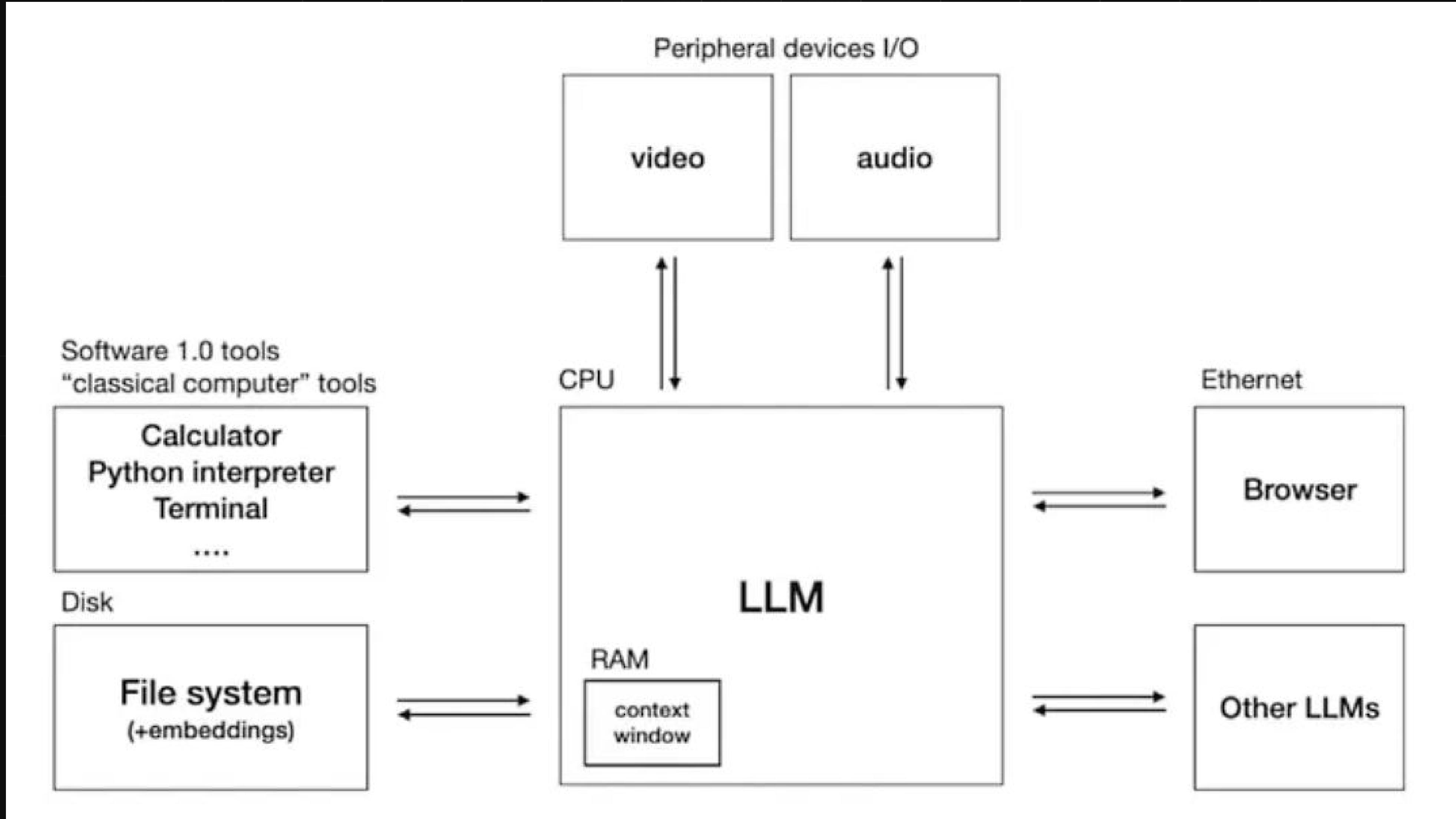
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Memory

LLM OS



Claude computer use

<https://www.anthropic.com/news/3-5-models-and-computer-use>

Announcements

**Introducing computer use, a new
Claude 3.5 Sonnet, and Claude 3.5
Haiku**

22 Oct 2024 • 5 min read

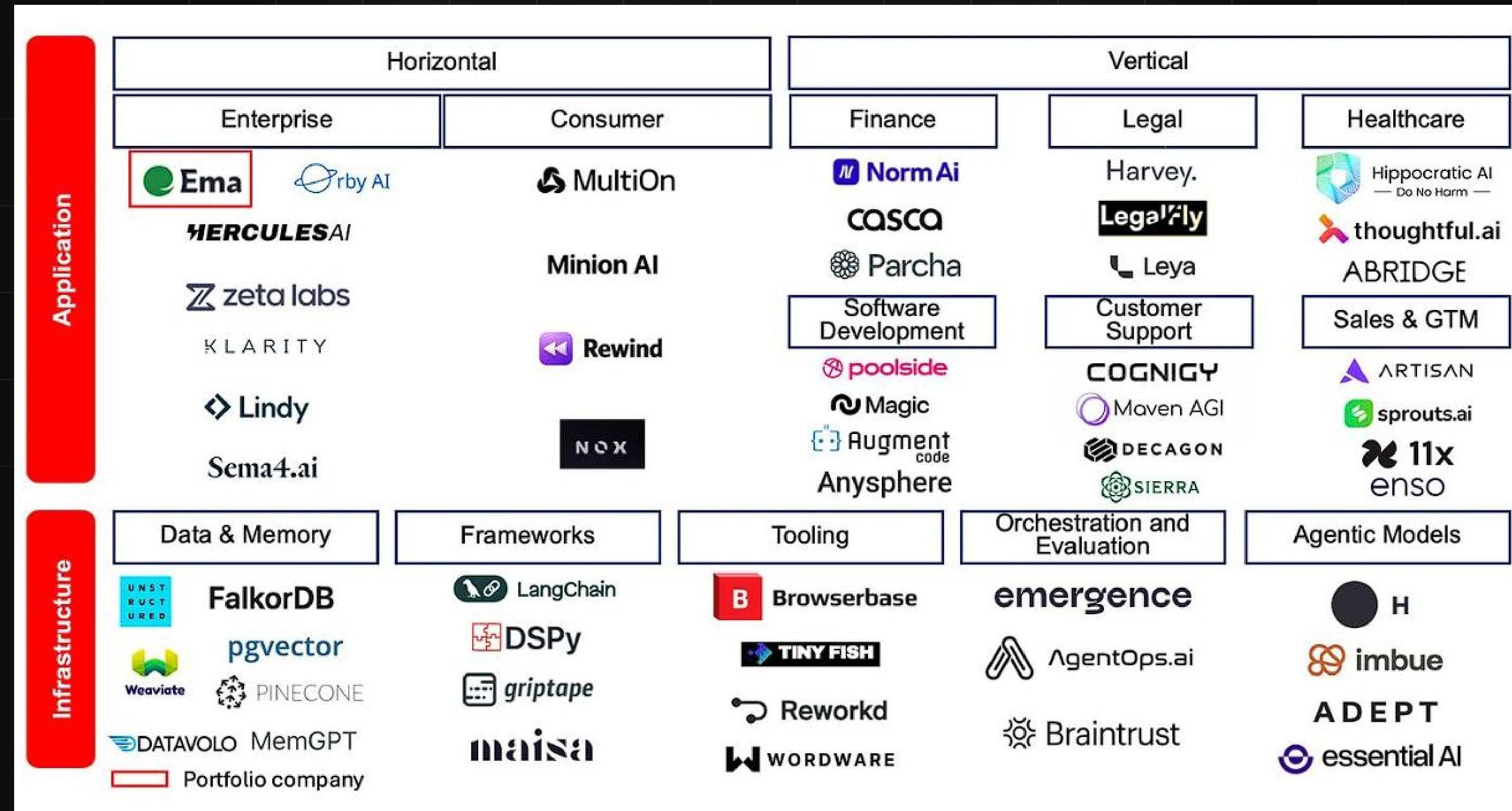


Open interpreter

<https://www.openinterpreter.com/01>



Agent Landscape



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Use cases for AI agents

Sully  @SullyOmarr

claudes new computer use should be a wake up call for a lot of startups
seems like its sort of a losing to build model specific products (i.e we trained a model to do x, now use our api)
plenty of startups were working on solving the "general autonomous agents" problem and now claude just does it out of the box with 1 api call (and likely oai soon)
you really need to just wrap these guys, and offer the best product possible (using ALL providers, cause google/openai will release a version as well)
otherwise its nearly impossible to compete

11:56 PM · Oct 22, 2024 · 100.7K Views

65 72 721 420 

 Post your reply 

Michael Fox  @_FoxtrotMichael · Oct 22
I think a lot of buildings autonomous agents is going to become retrieval of private data and ensuring the model gets the context it needs.

5 2 99 9.3K 

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How enterprises are using AI agents feat. Lyzr

https://github.com/LyzrCore/generativeai-usecases/blob/main/business_functions.md

Category: Business Functions

Sub-category: Analytics & Data Science

Use Case	Description	User Benefit	Examples/Case Studies	SaaS Startups in this space	Lyzr SDK
Self-Service Conversational Analytics	This platform provides employees access to unified data and tools for conducting advanced analyses using English-based natural language queries powered by OpenAI GPT4 Code Interpreter. "Show me the sales performance for the last 12 months."	This will allow any business user to run advanced analysis without needing a data analyst team or knowledge of complex analysis terms like regression, time series, etc.	A US based analytics organization replaced PowerBI dashboard with Lyzr's DataAnalyzr SDK to provide NLQ based analytics to its business users.	DataGPT.com	Lyzr DataAnalyzr
Data Science Copilot	Run advanced one-shot data science analysis powered by GPT4 Code Interpreter on your data to make projections, correlation, clustering, and regression analyses. "What is the impact	Data analysts and data-intuitive business leaders can run advanced projections and data science analysis using	Data Science consulting companies are fast replacing junior data scientists with GPT4 powered assistants.	Athenic.com	Lyzr DataAnalyzr

How enterprises are using AI agents feat. Lyzr

<https://www.lyzr.ai/case-studies/lyzr-x-taascom/>

Case Study: Taascom, powered by AWS and Lyzr's Data Analyzr SDK, launched AI Insights & Recommendations for its customers

AWS Case Study



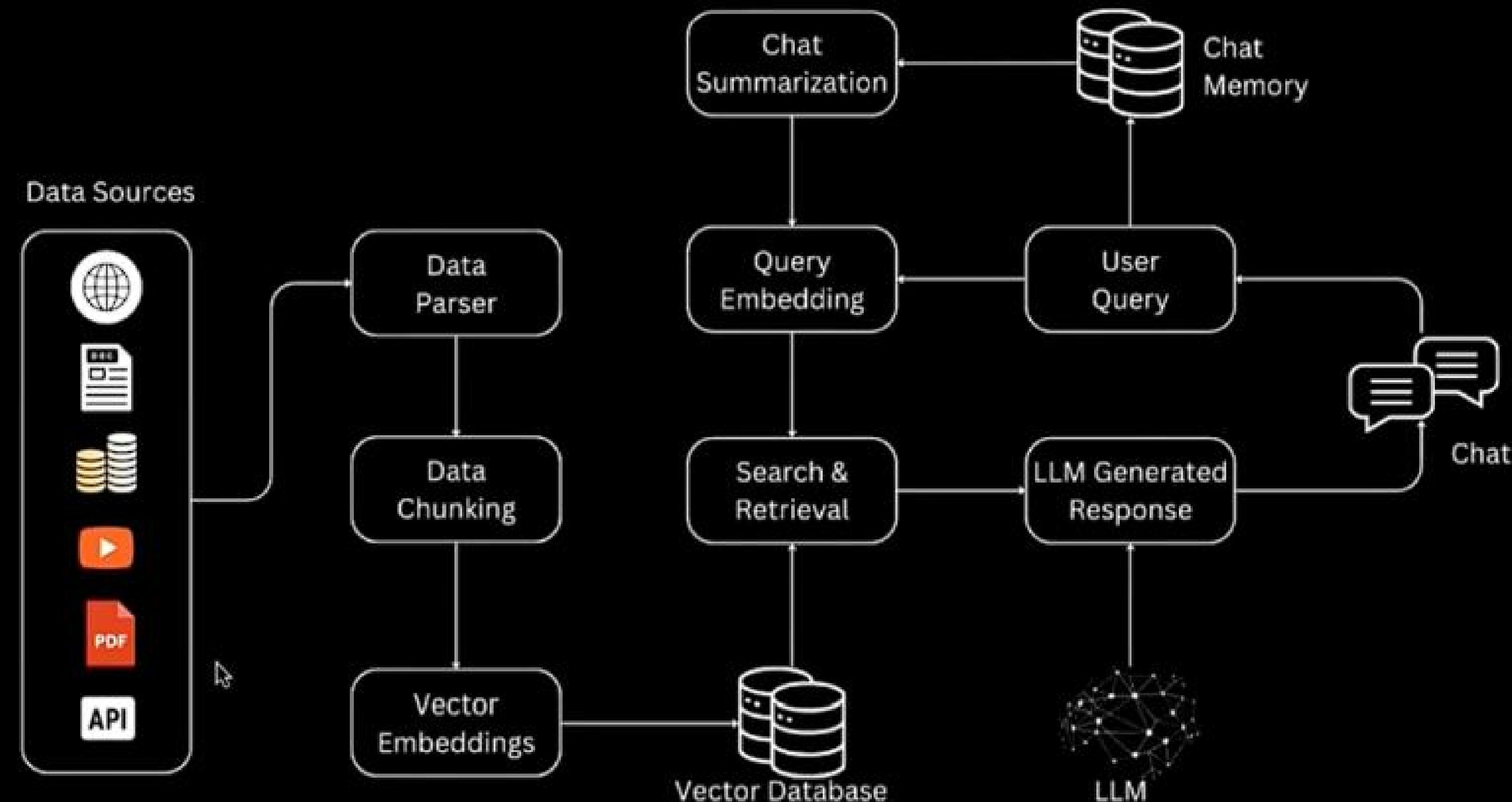
Taascom, powered by AWS and Lyzr's Data Analyzr SDK, launched AI Insights & Recommendations for its customers

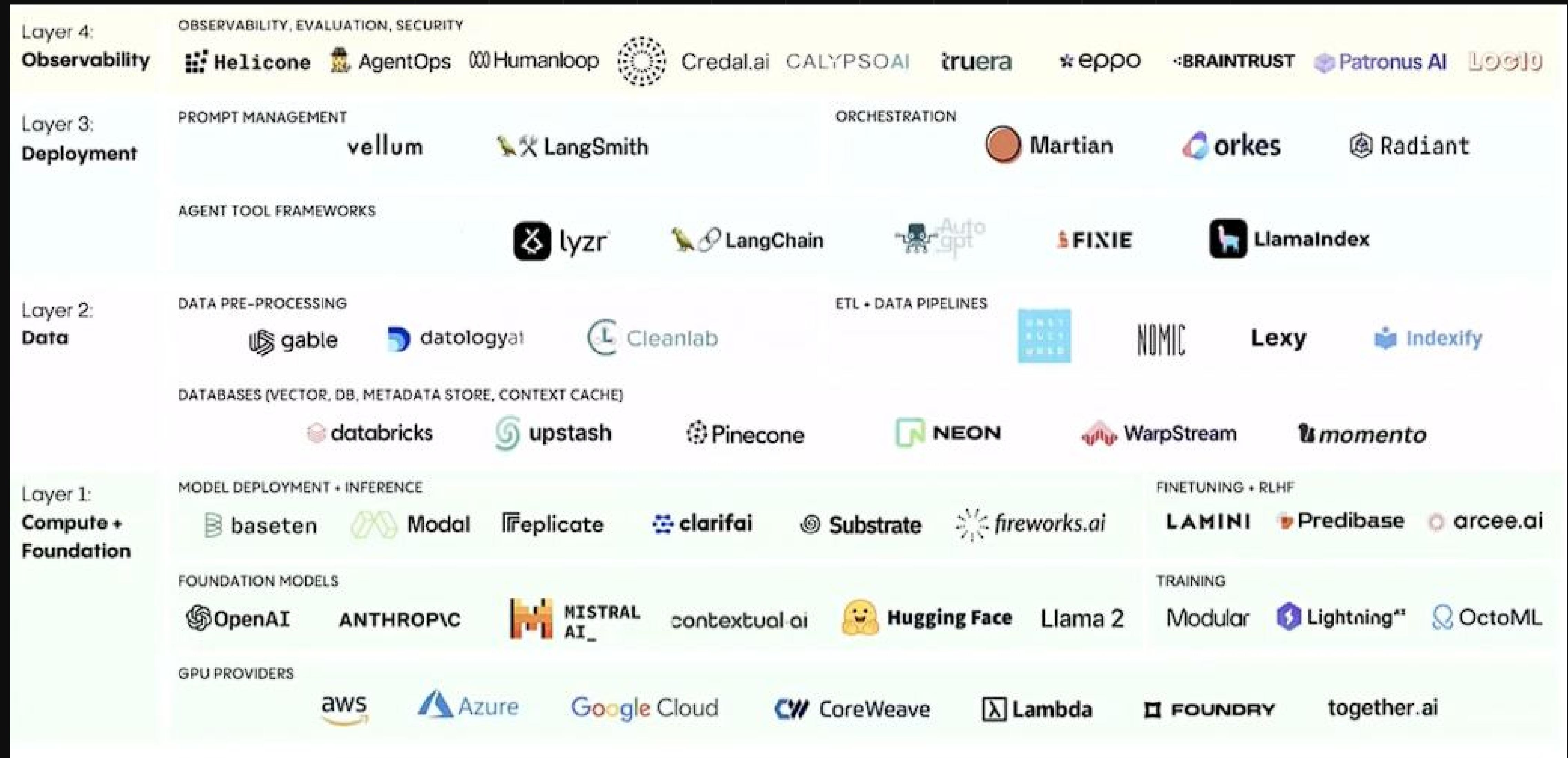
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So, what are some of the popular use cases?

	Chat	Customer Support, Lead Generation, Automated Helpdesk, Process Copilots
	Search (RAG)	Enterprise Search, Context-Aware Apps, Document Search, Knowledge Base
	Data	Synthetic Data Generation, Conversational Analytics, Data Annotation
	Generators & Summarizers	Marketing Content, Product Docs, Customer Reports, Contracts, Email Templates
	Automation	Meeting Summarizer, Auto SDR, Auto Blog Writer, Auto Claims Processing,

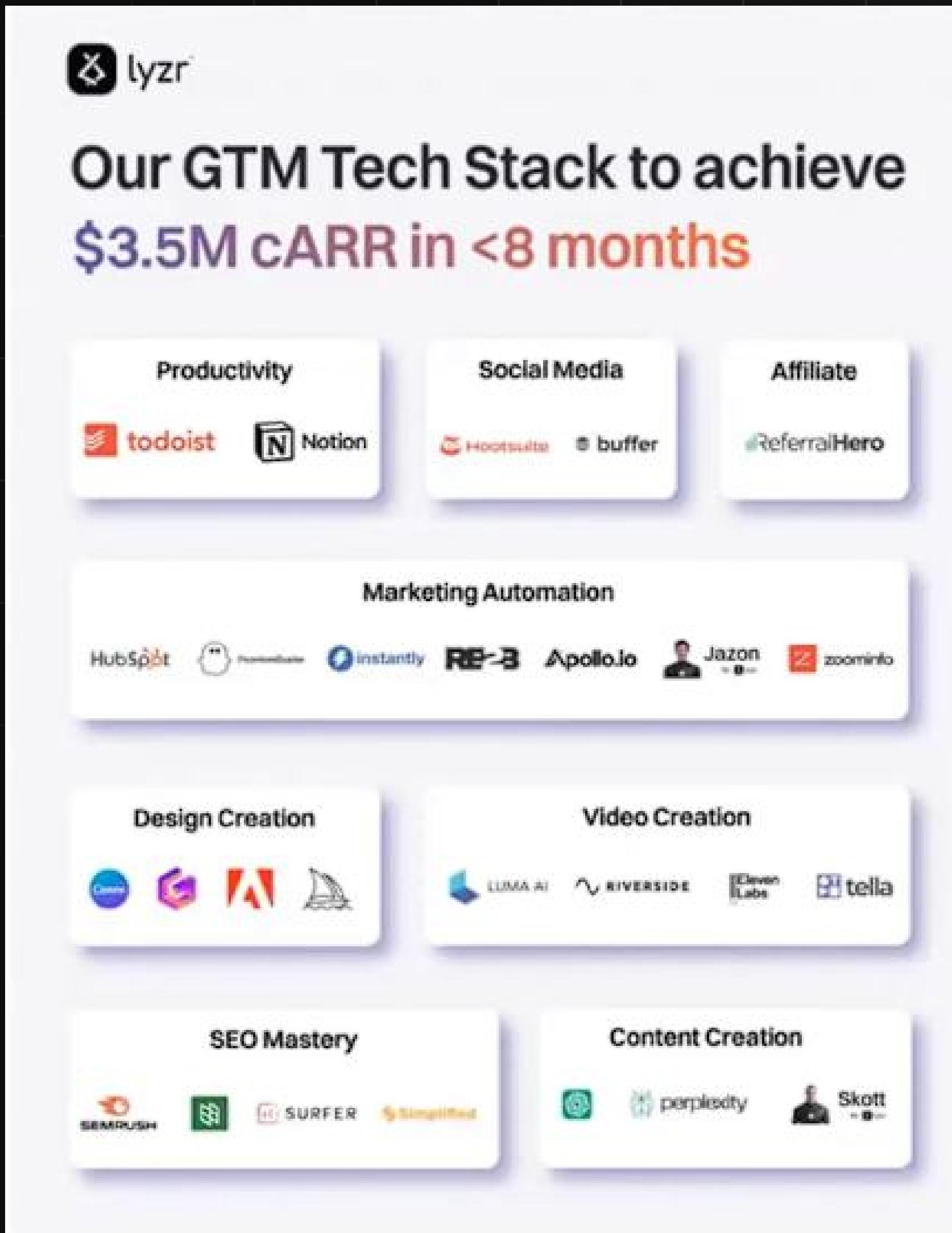
How does an Enterprise-Grade Customer Support Agent look like?





Compliance	Compliance and security standards	ISO 42001, SOC2, HIPAA, GDPR
Observability	Monitor and track GenAI apps performance. LLM operations in a nutshell.	Lyzr AIMS, Portkey, LLM. Report
Custom Workflows	The custom application logic and UI UX components of an application	Streamlit, React
Agent Framework	The tooling layer which interacts with LLMs and helps you build generative AI applications	Lyzr AI, Langchain, DSPy, LlamaIndex, Cohere
Data Stores	Specialized data stores for LLM apps like Vector Databases	Pinecone, Weaviate, PGVector, ChromaDB
Foundational Models	Large Language Models and Diffusion Models	GPT-4, Claude, Gemini, Llama2 7B, Mistral, Phi2.7, Bert 1B, MidJourney, Stability AI, DallE3
Infrastructure	The compute power required to run the models, apps, databases	AWS, Amazon Bedrock, Azure, Google Cloud, Google Vertex AI, Nvidia

Tooling Breakdown



1. Design

- a. Midjourney
- b. Figma
- c. Adobe & Canva
- d. Gamma

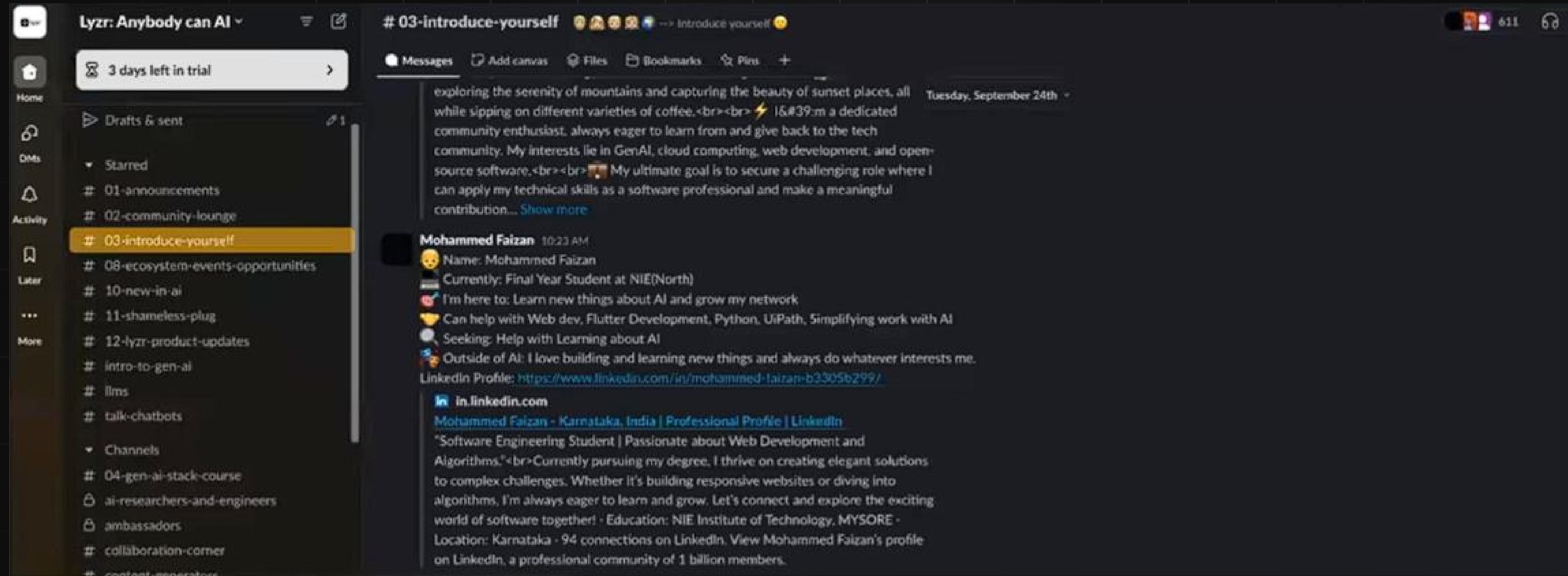
2. Creation

- a. Teachable + Tella + Loom

3. Outbound

- a. Apollo + Instantly + Jazon
- b. Phantom buster
- c. LinkedIn Navigator
- d. Affiliate: Referral Hero
- e. Analytics: Hubspot, GA
- f. Virtual Cards: Mercury
- g. Website: Wordpress

Community



1. Slack: ~600 members
2. Discord: ~450 members
3. Outbound
4. Community Meetup
5. Objective to be clear

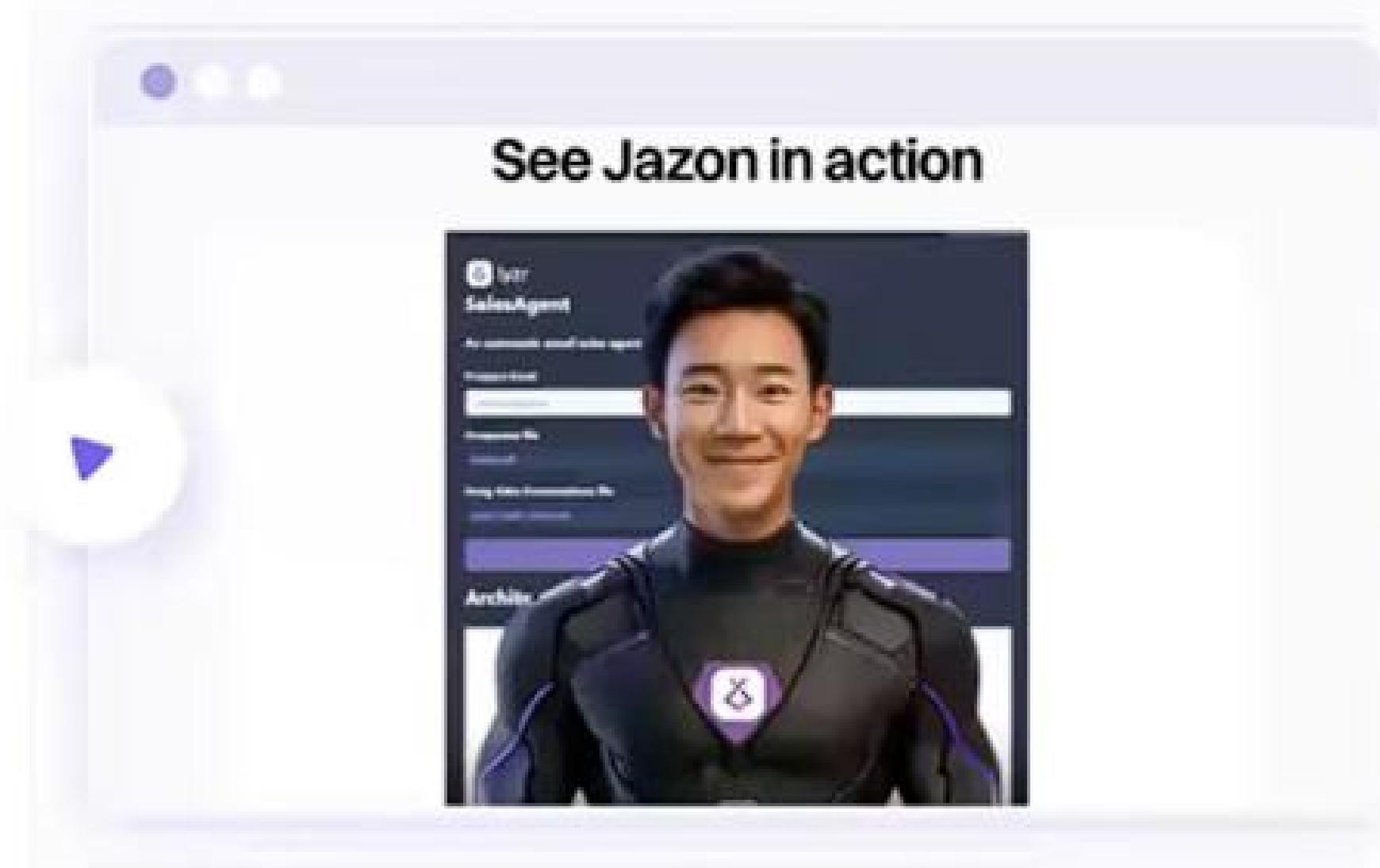
Outbound

World's 1st fully private AI SDR

Fully customizable, runs locally on your cloud,
learns and operates autonomously.

[Book a Demo >](#)

*Free 3-month pilot for eligible customers



1. Dripify
2. Apollo+ Clay + Instantly
3. Moving to Jazon
4. Sales Navigator
5. Part of Thunderclap
6. Nurturing + Downloadable templates

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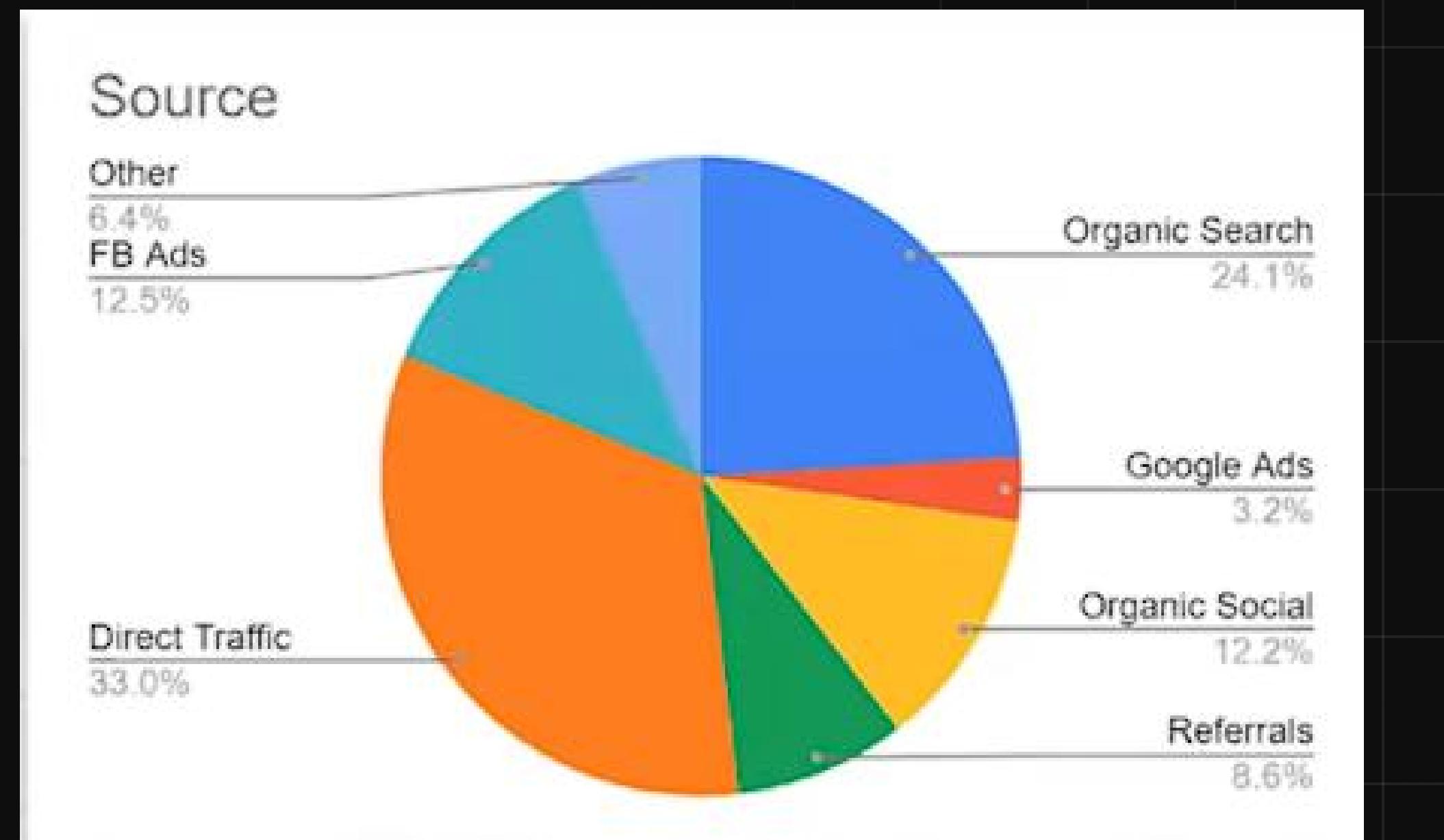
The screenshot shows the Futurepedia homepage. At the top, there's a navigation bar with links for AI Tools, AI Agents, AI Tutorials, AI Innovations, Advertise, and Resources. A search bar and a user profile icon are also at the top right. Below the navigation, there are three main sections: Sales, Marketing & E-commerce, and Research. Each section has a brief description and a 'Visit' button. Under Sales, there are categories like Back Office, Operations, Growth & Marketing, Writing & Editing, Technology & IT, Design & Creative, and Workflow Automation. A sidebar on the left lists 'Most Popular AI Tools By Category' with icons and names: AI Productivity Tools, AI Video Tools, AI Text Generators, AI Business Tools, AI Image Tools, Automation Tools, AI Art Generators, AI Audio Generators, Mac AI Tools, and AI Code Tools. The main content area displays six AI products in a grid: Chatnode (Free Trial, 1 review), Metaforms (Freemium, 5 reviews), M1-Project (Paid, 0 reviews), Alfred AI (Freemium, 0 reviews), AssemblyAI (Paid, 2 reviews), and Jazon - AI SDR (Free Trial, 3 reviews). Each product card includes a star rating, review count, and a brief description.

1. Futurepedia
2. There is an AI For That
3. Everything AI

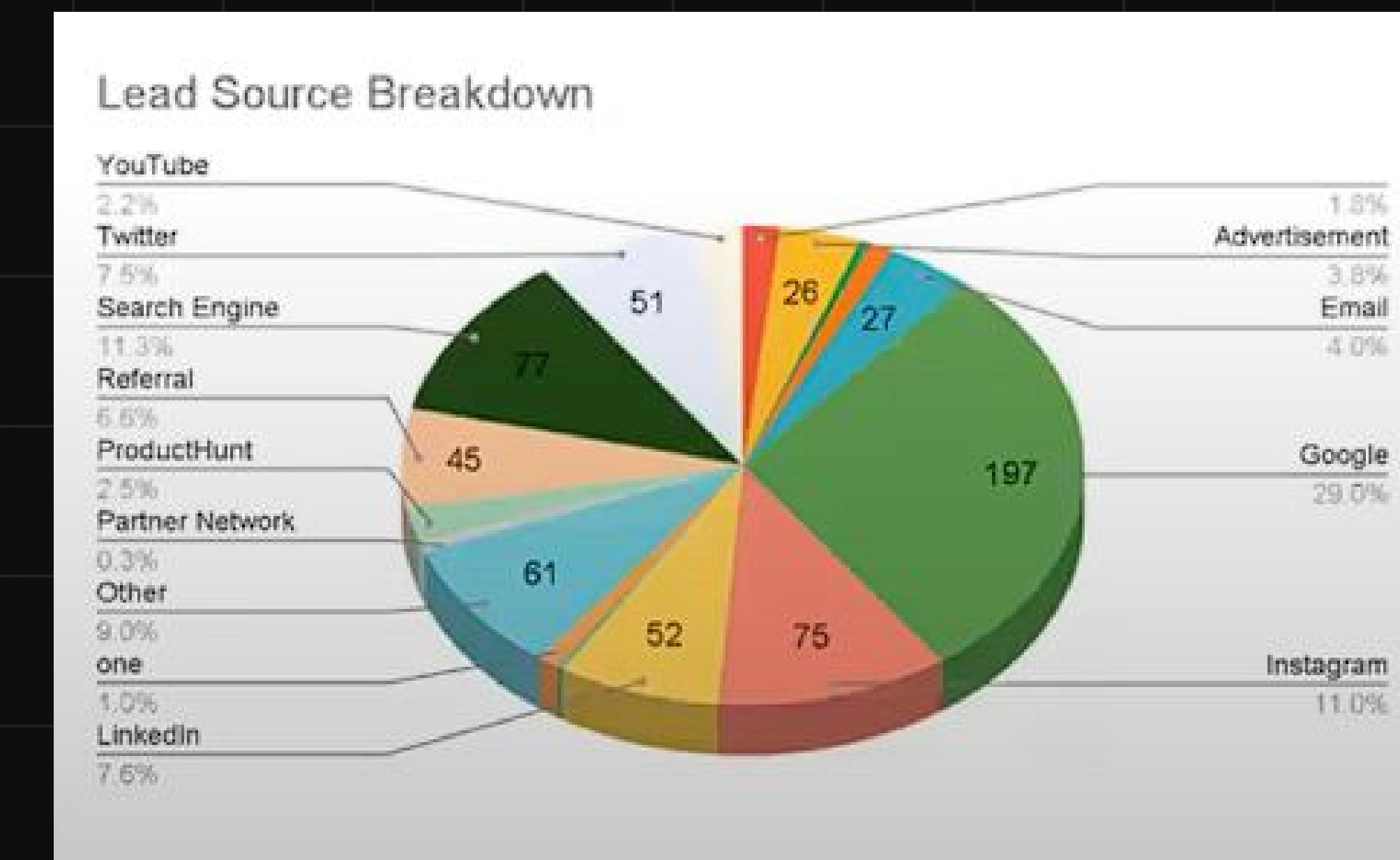
Recent

1. G2, Capterra
2. Software Advice

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Hubspot Source



How did you hear about us?

Resources

Agentstack: <https://github.com/AgentOps-AI/AgentStack>

<https://www.deepwisdom.ai/>

https://x.com/MetaGPT_/status/1846044033820312016

<https://x.com/achamah1/status/1847312478499139967>

<https://x.com/stackblitz/status/1841873251313844631>

<https://x.com/JiquanNgiam/status/1847315870642794518>