SuperAGI Hackathon

EVO.NINJA

The AI that evolves in real-time.

Challenge: Today's AI Agents are static.

- Traditional AIs are pre-programmed
- Limited adaptability
- Updating requires manual intervention

Introducing:

evo.ninja

Learns new scripts on-the-fly

evo.ninja can tap into script libraries to learn new functionality, all at run-time.

Can write its own scripts

evo.ninja can write its own scripts if it can't find those it needs in the script library.

Local-first script execution

evo.ninja can run scripts locally, no need for expensive backend architecture.

Use-Case: Calculate math problems.

User

Prompt: "Read the file numbers.txt and output the factorial of the numbers found"

evo.ninja starts with zero functions and needs to teach itself how to:

evo.ninja

- ***Read*** *text files and store all numbers found.*
- ***Script*** *a new function for computing the factorial of numbers.*
- ***Output*** *the result and add a text file in the workspace folder.*

Demo!

How does evo.ninja "teach itself"?

evo.ninja starts off
with zero knowledge.

script libraries

Contains needed
functions?

YES

Imports the functions
dynamically and performs
the tasks requested in the
prompt.

NO

Writes its own scripts.

Next steps for evo.ninja...

Reduce Hallucinations

- Evo refines the scripts it writes
- Find and use vetted scripts on "Evo Net"

Improve Planning

- Chain of thought
- Tree of thought
- Graph of thoughts

Evo Net

- A marketplace of vetted scripts
- Agents & developers can contribute

Technologies used

WebAssembly

Polywrap

OpenAI API

Business Value

Short, Medium, and Long-term Goals

Short-term – On-demand learning agent

evo.ninja can learn new functionality on-demand.

Medium-term – Code reusability (evo net)

New functionalities written are added to a shared server for all evo.ninja instances to search and reuse.

Long-term – Introducing: Dojo

Dojo is evo.ninja's ability to learn new functions on-demand. In the long-term, we want to make Dojo available to *all* agents, letting them tap into script libraries whenever they need to.

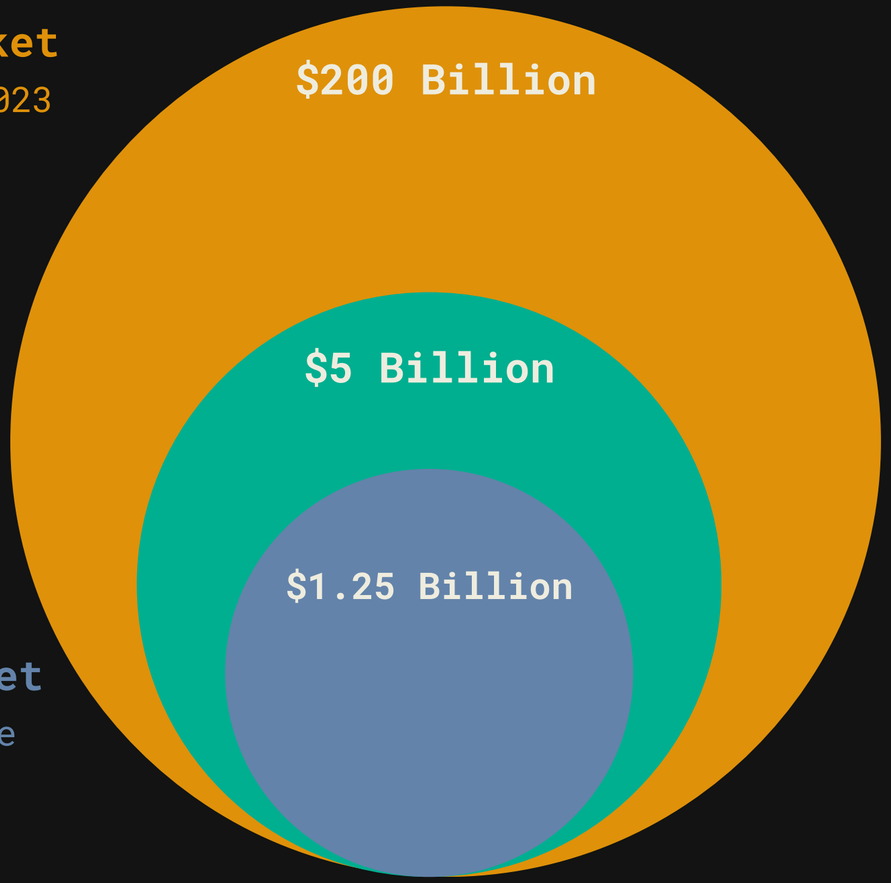
Market

Target Audience

Developers that use AI agents.

Total Addressable Market

Whole AI space value in 2023



Serviceable Available Market

Autonomous agents value in 2023

Serviceable Obtainable Market

25% of SAM given competitor edge with using Polywrap

* Source
  - TAM
  - SAM

Potential Revenue Streams

Enterprise Model

Allow interfaces such as AutoGPT, SuperAGI, etc, to use evo.ninja as a core offering.

Subscription Model

Partner with interfaces such as AutoGPT, SuperAGI, etc, to include evo.ninja in the core tools and allow the users to buy evo.ninja credits to use it beyond certain limit.

Team

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Resources

Polywrap Discord community

Meet the team behind evo.ninja, Polywrap: https://discord.gg/qK9S46gTbF

evo.ninja Github

Explore evo.ninja's codebase: https://github.com/polywrap/evo.ninja

evo.ninja Twitter

Follow evo.ninja's progress: @evo_ninja_ai