



Internet of AI



Table of contents

Opportunity	2
Challenge	5
Solution	6
Features	7
Technology	8
<i>Overview</i>	9
<i>Strong Fundamentals</i>	10
<i>Architecture</i>	11
<i>Positioning</i>	12
About	13
<i>Openfabric's vision</i>	14
<i>Team</i>	15
<i>Social media</i>	16



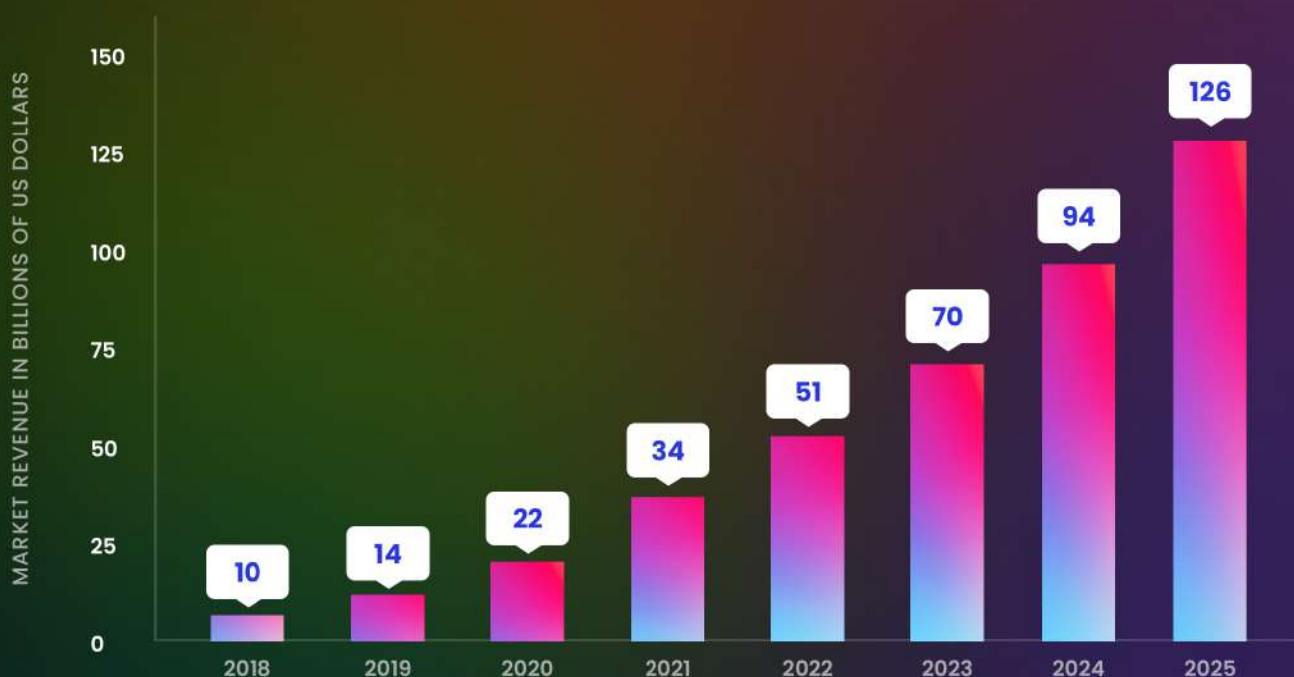
Opportunity

The power of AI industry



The AI industry is projected to Reach \$126 billion in the year 2025

Revenues from the **artificial intelligence** (AI) software market worldwide from **2018** to **2025** in billions of US dollars.



Artificial Intelligence Market



42.2%

Expected Growth in 2027



\$62.4 BN

AI Market Size

The AI revolution may have begun...



Masayoshi Son



"AI will completely change the way humans live within 30 years."



\$62.4 BN

Global artificial intelligence market size in 2020



40.2%

CAGR during 2021-2028



Bill Gates



"AI is just the latest in technologies that allow us to produce a lot more goods and services with less labor. And overwhelmingly, over the last several hundred years, that has been great for society."



John E. Kelly III

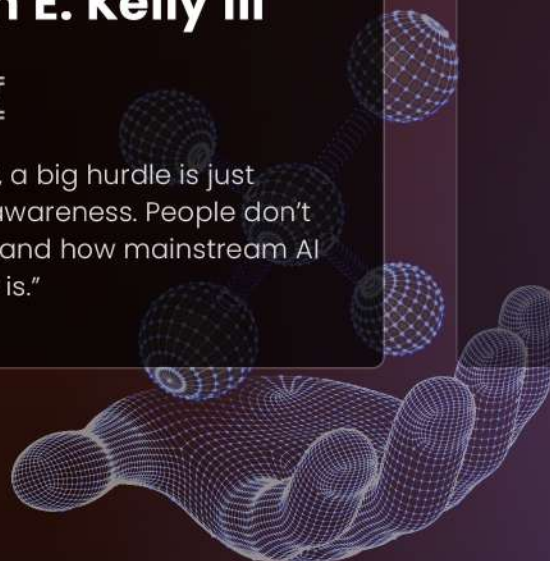


"Frankly, a big hurdle is just public awareness. People don't understand how mainstream AI already is."



\$997.8 BN

Expected revenue in 2028



Challenge

Current AI environments are too exclusive and difficult to use



Fragmented

- A few tech giants have managed to occupy the market share and attracted talents and scientists

NETFLIX

Google

Apple

amazon

facebook



Expensive

- A team of computer & data scientists, next-generation computing architectures and rich datasets make AI less accessible for small companies and individuals



Lack of AI literacy

- It takes time and requires an entire ecosystem of partners to have an AI solution developed and optimized
- As such, potential service consumers feel that it is difficult to choose the right AI solution for them

The most challenging problems faced by AI platforms:



Decentralization

Ensure that there is no central entity controlling the location of data or information processing.



Security

Protect end-user privacy and guarantee intellectual property rights.



Interoperability

Implement the use of standardized interfaces to allow multiple AI agents to cooperate and connect in order to provide relevant answers to complex problems.



Usability

Simplify interactions between end-users and AIs by providing straightforward, nontechnical flows.



Smart Economy

Create a built-in robust exchange medium that facilitates fair transactions between supply-and-demand of AI services.



Scalability

Expand network capabilities by allowing network participants to rent their computing power for the execution and training of AIs.



As a result, only 15% of businesses use AI. Innovation and Implementation are held back by the list of issues detailed above.

Solution

Openfabric simplifies the entire process, making AI accessible to everyone

Artificial Intelligence as a Service (AIaaS)

-  No infrastructure and advanced technical knowledge required
-  Fast deployment and easy integration
-  Scalable and affordable AI solutions

Blockchain based Ecosystem

-  A trusted decentralized marketplace and strong community
-  Borderless, transparent and secured transactions using smart contracts
-  Monetize data, IPs and skills
-  Incentivize collective intelligence

Innovators, Infrastructure providers, and Data Providers all cooperate together, building turnkey AI solutions that are easy to use and accessible to everyone.



Features

Openfabric combines AI & blockchain into a decentralized feature set



Commoditizing Access to AI

Reducing infrastructure demands and technical know-how.



Community as an Innovation Engine

Securing intellectual property and stimulating fair competition amongst innovators.



Decentralized Marketplace

Consolidating the business relationship between the supply-and-demand of AI services.



Endless Scalability

Any infrastructure provider that adheres to the ecosystem's requirements will be taking part in this endeavor.



Trusted, Undeniable & Reliable

As it is based on decentralization, the distributed ledger ensures undeniable contracts and an unforgeable history between its stakeholders.

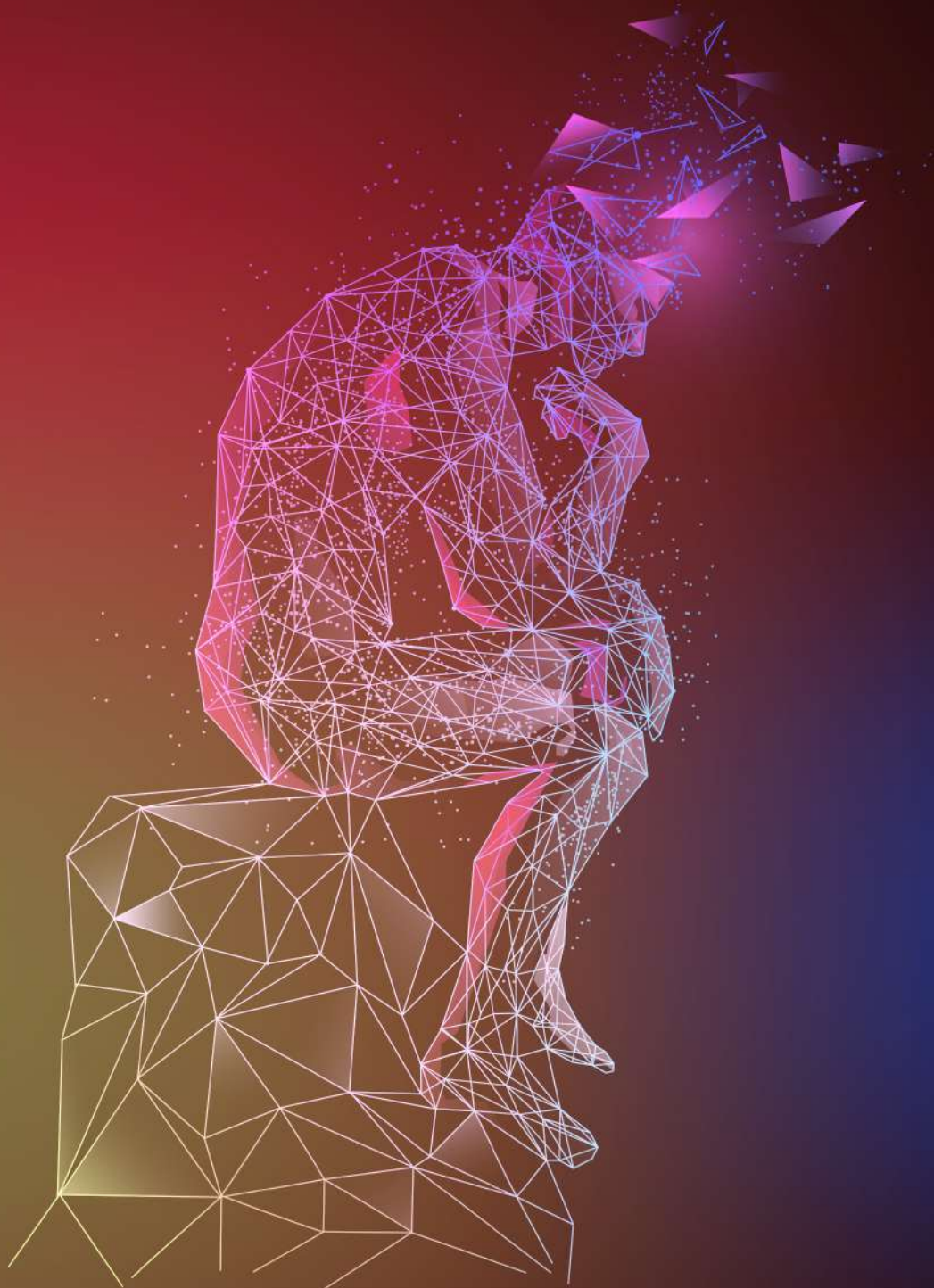


AI Interoperability

Standardized interfaces which allow AI interoperability and permit multiple AI agents to cooperate and connect.

Technology

Foundation for the AI Revolution



Technology Overview

Openfabric provides the core components and tools necessary for joining the new, borderless economy and society



Service Quality

In Openfabric, a Bayesian reputation model supervises the quality and performance of products and services through a reputation score that is computed based on community feedback.



Economy of Innovation

In order to achieve high-quality, valuable and reliable results, the support of an economic environment is required to cover innovator expenses through the monetization of their work.



Decentralized Marketplace

The Openfabric marketplace provides a uniform, intuitive and simplified user experience which allows for the execution of AIs without the necessity of having to install, configure or customizing anything.



Privacy For All

Privacy is an essential attribute of Openfabric, which stems from the fact that algorithms and data sets are decrypted only inside the TEE, so that neither the platform nor the executor has access to it.



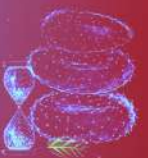
Enterprise Integration

Considering the fact that enterprise adoption of edge technologies is slow, expensive and disruptive, Openfabric provisions connectors minimizing the integration friction.



Decentralization

The distributed ledger ensures undeniable contracts and unforgeable history between the platform's stakeholders. It also serves as the underlying layer for access control and identification mechanisms.



Equilibrium

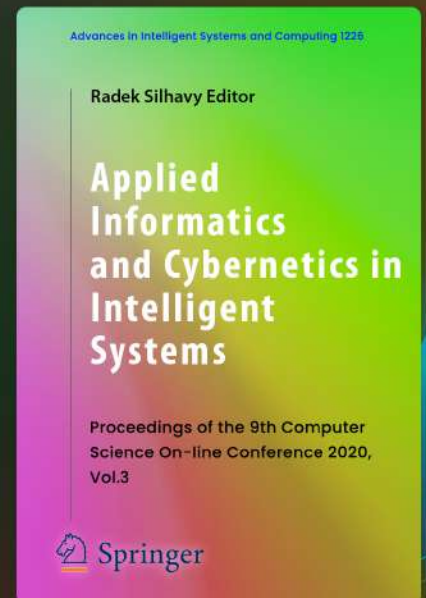
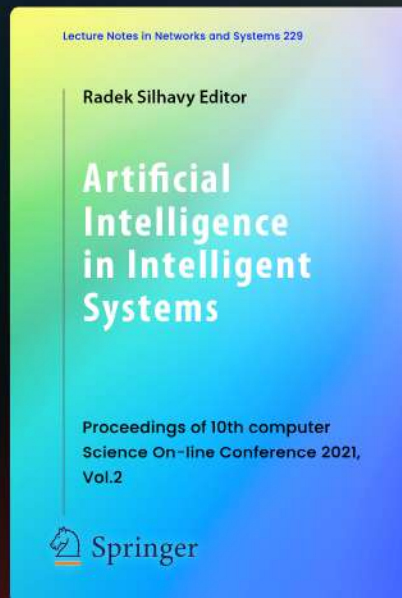
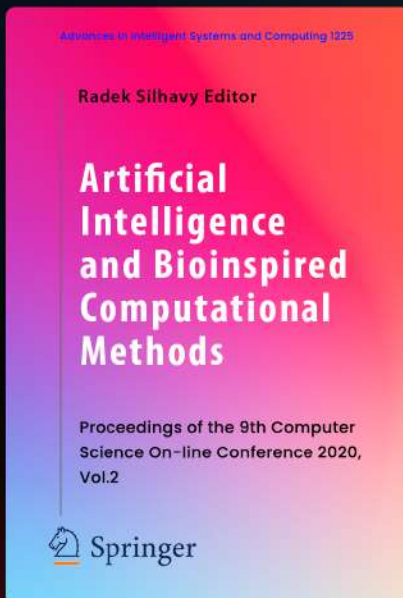
Nash equilibrium is achieved when infrastructure providers offer excellent services, innovators generate high-quality algorithms, the community is willing to pay for, and service consumers efficiently combine algorithms to obtain solutions for their specific use cases.

Strong fundamentals

Core concepts validated by scientific community
in computer science journals

The result of **a year of research**, synthesized in an extensive
technical whitepaper.

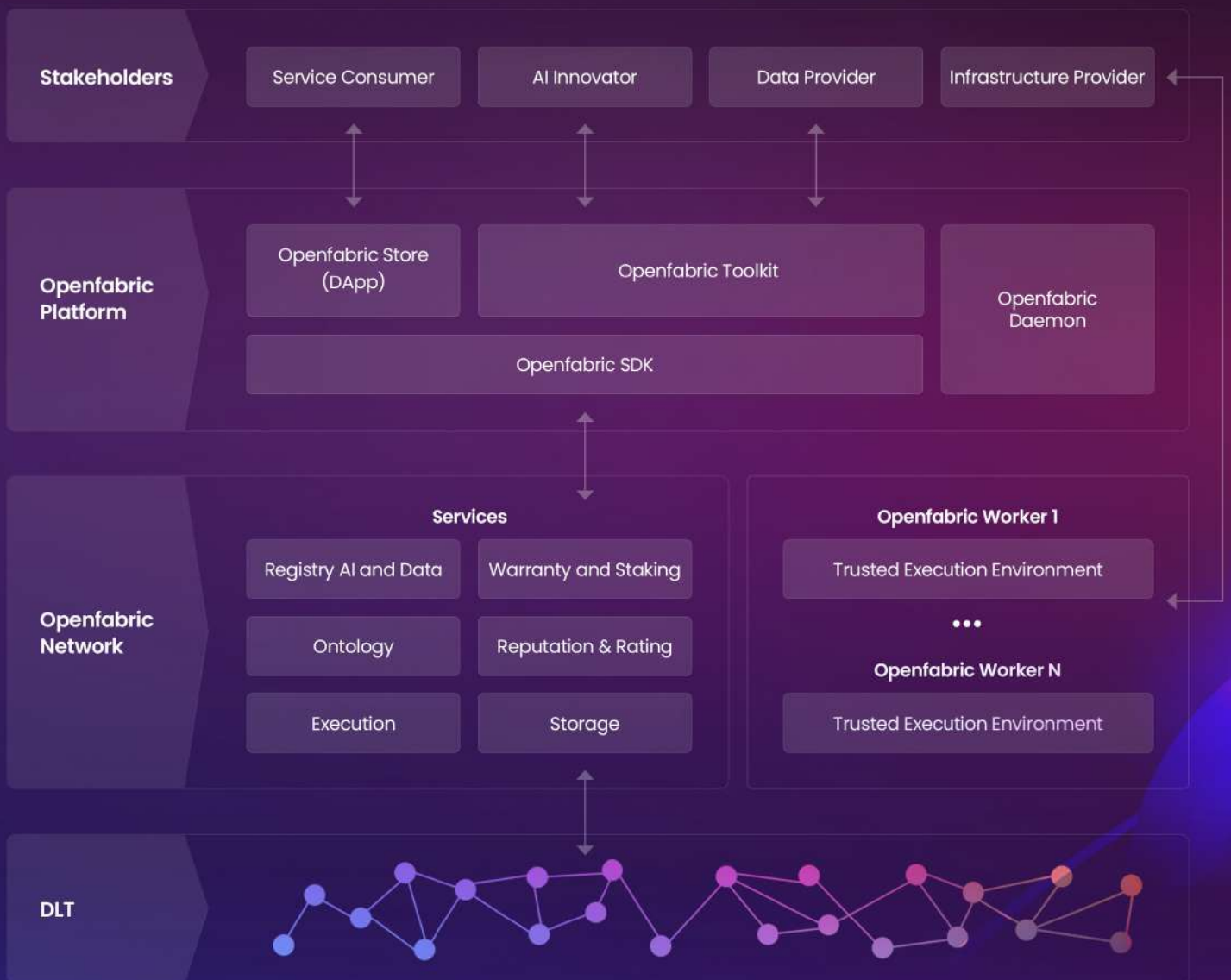
<https://openfabric.ai/resource/openfabric-whitepaper.pdf>



Architecture

The service consumers are the target market

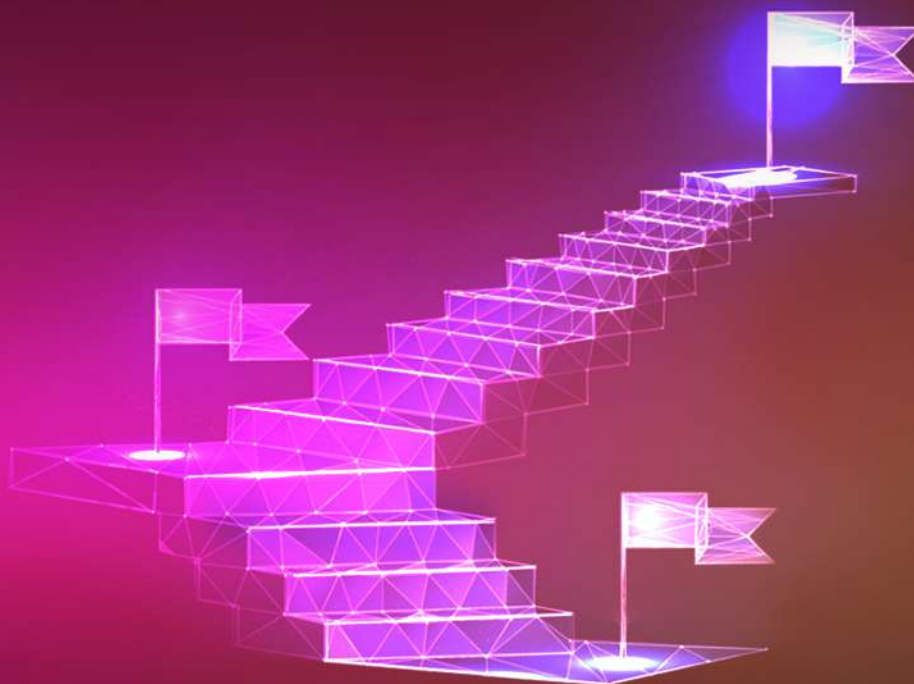
These are the users who need to solve particular business problems and enrich their products with artificial intelligence.



Positioning

A brief comparison with the most notable competitors using the primary set of features:

Features		Centralized				Decentralized					
		IBM Watson	Google AI	Azure AI	Amazon ML	Singularity Net	Ocean Protocol	Effect AI	DeepBrain	Thought Network	Openfabric
Decentralization	Governance	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Execution	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Storage	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Security	Ownership	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Privacy	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Computation	Scalability	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Trustfulness	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Accessibility	Developer-friendly	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	User-friendly	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Tools-Integration	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Smart economy	Fair market	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Open market	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Marketplace	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Interoperability	Algorithm composition	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Structural level	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
	Open source framework support	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★



About

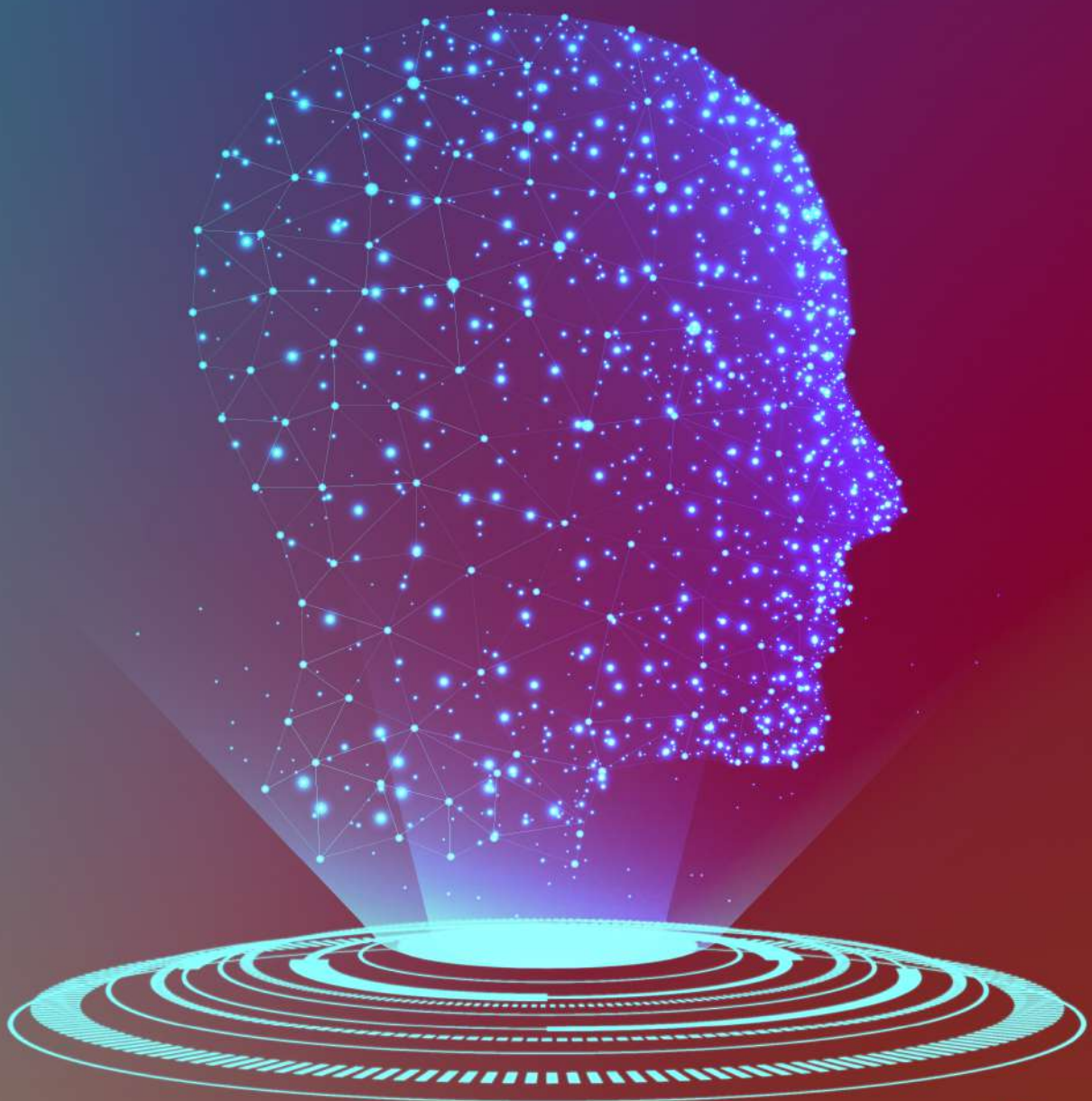
Who we are and
why we are doing this



Openfabric's Vision

To make AI easy to use and available to everyone

Creating the most inclusive and coherent community
and marketplace for AI resources, developers
and companies



Core Team and Advisors

Advisors



Tammy Ahn

Business Advisor

Korean Chamber of Commerce,
Busan Metropolitan City,
Citibank



Mark Fitzgibbon

Technical Advisor

API3 Foundation



Hjalmar Turesson

Scientific Advisor

Schulich School
of Business



Raghu Bala

Technical Advisor

Yahoo, Infospace,
MIT, Stanford



Miles Carroll

Business Advisor

Kosmos Ventures,
Opulous, CarteBlock



Surbhi Singh

Business Advisor

Kana Labs, EthosX,
Angel Investor

Team



Andrei Tara

Founder & CEO

Elrond Network



Ion Ceban

Core Developer

Elrond Network, TLabs



Nicolae Natea

Core Developer

AUSY, Pentalog



Ioan Taban

Project Manager

Compa, TLabs



David Costello

Growth & Marketing

DAOStack



Nicu Taban

Research Engineer

TLabs



Cristina VasIU

Research Engineer

TLabs



Ovidiu Costea

AI/ML Engineer

Inspiricon

Openfabric



contact@openfabric.ai



t.me/OpenFabricAI



twitter.com/openfabricai



facebook.com/openfabricai



linkedin.com/company/openfabricai