

Report: Promising Startup Ideas

Report: A Curated List of Startup Ideas We Favor or Are Pursuing

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About Axiologic Research. Report intentions.

Founded in 2003 by Sînică Alboaie, Axiologic Research has developed a strong foundation in enterprise integration, privacy-enhancing technologies, security, blockchain technologies, and artificial intelligence. With more than two decades of experience, Sînică has steered Axiologic to the forefront of cutting-edge software development, particularly emphasising blockchain and AI technologies. This report is intended to outline Axiologic's strategic directions and to express our intent to foster partnerships and spin-offs that align with our technological visions and capabilities.

Axiologic is actively engaged in seeking collaborations that resonate with our technological aspirations. The company is keen on participating in ventures that promise to yield productive spin-offs and mutual benefits. Our strategic focus includes the creation of decentralised digital archives, enhancing supply chain transparency through digital twins, and innovation in paperless packaging solutions to reduce waste.

Furthermore, we are pioneering the preservation of humanity's cultural artefacts through NFTs and enhancing the integrity of scientific peer review with decentralised technologies.

As a leading entity in the OpenDSU ecosystem, Axiologic is at the forefront of decentralised application development, as highlighted on opensdu.org. This platform is crucial for our blockchain initiatives aimed at secure data management and seamless interoperability across different blockchain networks. OpenDSU supports our projects in decentralised digital archiving, supply chain innovations, and establishing decentralised identity solutions, ultimately facilitating scalable enterprise applications.

In artificial intelligence, Axiologic is developing AssistOS, an open-source AI operating system designed to transform users' interactions with technology. This initiative includes tailoring AI-driven assistance to various demographics, automating video production, and enhancing human networking through AI mediation.

Our innovations continue with redesigning the Internet to make it more robust and user-friendly, integrating AI into enterprise systems for improved decision-making, and developing AI-centric enterprise resource planning systems. We are also exploring the potential of AI to uphold corporate ethical standards and replace traditional employee roles with software agents.

Axiologic is highly agile and strategically oriented toward advancing in areas where suitable partnerships emerge. Yet it is currently focused on acquiring as many "tickets" in the startup lottery as possible, incrementally progressing across all these directions. The future directions are conceived to transition from the research phase into distinct, standalone companies.

We invite stakeholders from diverse sectors to join us in these endeavours to spur innovation and progress toward a more efficient, transparent, and ethically guided digital and decentralised future. This report delineates our commitment to these goals and our open invitation to collaborate.

Blockchain & OpenDSU

Vision & Strategy

Axiologic Research has pioneered critical architectural improvements that have the potential to span all industries and revolutionise internet architecture: the integration and sharing of data using multiple blockchain systems. Our innovative approach, rooted in developing and refining the OpenDSU framework, reshapes how data sharing and off-chain computational integrity are implemented across diverse sectors.

Over the past decade, Axiologic Research has developed new concepts that could become foundational for programmers, similar to simple concepts like files or sockets. Some of the fundamental concepts developed by Sînică Alboaiie and his team include swarm communication for implementing executable choreographies, DSU (Data Sharing Unit), KeySSI (Key Self-Sovereign Identifiers), and SVD (Self Validating Data).

The strategic vision of Axiologic is to standardise OpenDSU as the backbone for data sharing and computational verification processes. We are actively working towards gaining recognition and adoption within global standards communities, such as IEEE, to establish OpenDSU as a foundational technology that ensures data integrity and security while facilitating seamless interoperability across different blockchain platforms.

This effort aligns with our broader goal to foster an ecosystem where decentralised technologies are accessible and integral to solving real-world problems. To this end, Axiologic envisions launching a series of startups, each leveraging the core capabilities of OpenDSU to innovate and disrupt traditional practices in their respective fields. The next chapter will briefly describe the vision for such startups.

Through these initiatives, Axiologic Research is not merely deploying blockchain technology but is shaping the future of how businesses operate in a decentralised world. Our strategy emphasises innovation, security, and sustainability, driving forward the potential of blockchain technology to create impactful, lasting changes across the globe. This vision for leveraging OpenDSU underpins our commitment to a future where technology enhances how we preserve, access, and utilise information, making it more democratic and universally accessible.

Startup Ideas

Decentralised Digital Archive & Data Sharing Startup (Project SAFE)

This initiative aims to revolutionise how data is archived and shared across industries. By utilising OpenDSU, we can create a secure, immutable digital ledger that ensures the integrity and accessibility of historical data, ranging from academic research to industry records. This makes it a critical tool for compliance and historical referencing.

Supply Chain Digital Twin Decentralised Platform

OpenDSU can power a platform that creates digital twins of physical supply chains. This would allow businesses a real-time, tamper-proof digital reflection of their supply chain activities, enhancing transparency, efficiency, and traceability from production to delivery.

Generalise Paperless Packaging

With an increasing global focus on sustainability, our proposed startup could utilise OpenDSU to support the transition to paperless packaging solutions, reducing the need for paper leaflets or user manuals in products. The digitisation of this content will enhance the quality and quantity of information available for final customers and various stakeholders throughout the supply chain. By digitising the packaging lifecycle management, companies can reduce waste, improve recycling processes, and ensure product authenticity through traceable, secure digital records. Axiologic Research is already the supplier for PharmaLedger with a solution for ePI (Electronic Product Information). However, it is impossible not to recognise the enormous potential of all industries. This could serve as the foundation for a solution for supply chain traceability, and there could be billions in savings from eliminating paper and leveraging various use cases around maintaining and exploiting traceability data in an orderly manner.

Humanity Digital Archive as NFTs

Another startup could use OpenDSU to mint cultural and historical artefacts as NFTs to preserve them. This would provide a novel way to fund and maintain heritage sites and ensure that the digital replicas of these artefacts are preserved in an immutable form, accessible to future generations worldwide.

Decentralisation & Social Technologies

Vision & Strategy

In decentralisation as a social technology, Axiologic Research articulates a vision that envisions a profound transformation of the social and economic landscapes through the innovative application of blockchain and artificial intelligence. This vision anticipates the emergence of specialised startups dedicated to supporting communities and companies eager to embrace the future of governance technology.

Among our innovations is the Outfinity Blue & Green Currency, an innovative alternative currency model designed to revolutionise crowdfunding and stimulate the creation of new types of local businesses. This currency aims to provide a stable, transparent financial mechanism that supports environmental and social projects, enabling communities to fund initiatives that are not only profitable but also contribute positively to their environments. This system could facilitate the emergence of decentralised brands, where independent legal entities share trademarks and intellectual property while remaining under the continuous control of customers, investors, and the public. Such an approach leverages governance technologies to maintain transparency and accountability.

As governance grows increasingly complex in both centralised and decentralised environments, there is a pressing need for robust frameworks capable of managing and regulating these entities effectively. AI and blockchain technology can offer dynamic solutions to these challenges. By integrating AI with blockchain, governance systems can become more adaptive and responsive to changes, ensuring that companies, NGOs, and communities operate efficiently and ethically. This technology will enable real-time decision-making and oversight, enhancing how organisations adhere to regulations and interact with stakeholders.

The scientific peer review process is one of the most critical areas needing innovation. Traditional methodologies often face biases, lack of transparency, and slow turnaround times, which can impede scientific progress. Axiologic proposes a decentralised peer review system that utilises blockchain to create an immutable, transparent record of submissions and reviews. This system would enhance the integrity of the scientific review process and integrate AI capabilities to analyse data and identify potential areas of concern or interest much quicker than traditional methods. Doing so can accelerate the pace of research and reduce the prevalence of errors or fraudulent activities in published studies.

These concepts reflect Axiologic's commitment to leveraging technology to facilitate social good and improve governance across various sectors. Through decentralisation and the intelligent application of emerging technologies, we aim to create systems that are not only innovative but also deeply integrated into the societal fabric, ensuring they are beneficial, equitable, and sustainable for all stakeholders involved. This strategic vision underpins our efforts to enhance how communities, businesses, and scientific enterprises operate and interact in an increasingly interconnected world, signalling a promising horizon for the future of social governance technologies.

Startup Ideas

Decentralised Brands Seeding Platform

This startup envisions creating a platform that facilitates the establishment of decentralised brands, enabling independent entities to collaboratively share trademarks and intellectual property while maintaining strict governance and customer oversight. This platform would act as a seedbed for nurturing decentralised brands, providing the legal, technological, and organisational framework necessary for their operation. The platform would utilise blockchain technology to transparently record all brand-related transactions and IP exchanges, ensuring authenticity and preventing unauthorised use. AI algorithms could be integrated to monitor brand interactions and predict market trends, helping brands adjust their strategies in real-time. The platform would also provide tools for digital marketing, community engagement, and stakeholder communication to support these decentralised brands in growing their presence and customer base.

This startup could significantly democratise brand ownership and operation, reducing barriers for small businesses and startups to establish and scale their brands. Enabling a cooperative approach to brand management could lead to more innovative products and services and increased consumer trust through transparency and direct involvement in governance.

Decentralised Social Network as Decentralised Brand Governance Home

A decentralised social network designed to serve as a digital home for decentralised brands provides a space where these entities can interact directly with their communities and stakeholders.

The network would be built on a decentralised architecture, ensuring that data ownership remains with the users, thus enhancing privacy and control. Brands can create customisable profiles and host forums, polls, and live events to engage with their audience. Blockchain would handle transactions and verify identities, while AI could offer personalised content curation and analytics for brands to improve user engagement.

This social network could revolutionise brand-customer interactions by fostering a community-driven environment where feedback and participation directly influence brand decisions. It could also enhance transparency in brand operations, increasing accountability and consumer trust.

Outfinity: Blue & Green Currency for Crowdfunding

Outfinity would be an alternative currency for crowdfunding, specifically supporting environmental and social projects enabling sustainable development through community-supported initiatives.

The currency would be integrated into a blockchain framework to ensure transaction transparency and security. It would be accepted across various crowdfunding platforms dedicated to social and environmental causes. AI would analyse project outcomes and feedback to give donors insights into their contributions' impacts, enhancing engagement and support.

Outfinity could transform how community projects are funded, promoting more grassroots-level involvement and ensuring that funds are used effectively and transparently. It could empower local businesses and non-profits, driving widespread social and environmental benefits.

AI & Blockchain Governance for Companies, NGOs and Communities

This startup could develop a governance framework that combines AI and blockchain to manage and regulate companies, NGOs, and communities more efficiently and transparently.

Implement blockchain for immutable record-keeping and transaction verification across organisational processes. Integrate AI to dynamically adapt governance models based on evolving regulations and organisational needs, automate compliance checks, and facilitate decision-making through data-driven insights.

By enhancing governance with AI and blockchain, this startup could lead to more ethical and responsible business practices, improved compliance with regulations, and more effective community and NGO operations, contributing to overall societal welfare.

Decentralised Peer Review for Scientific Research

We could imagine a platform that utilises blockchain to decentralise the scientific peer review process, making it more transparent, unbiased, and efficient. The platform would use blockchain to log submissions and reviews in an unalterable format, ensuring the integrity and traceability of feedback and revisions. Integrate AI to assist in the review process by checking for plagiarism and data falsification and providing reviewers with preliminary analytics on the submissions.

This platform could drastically improve the quality and pace of scientific research by reducing the prevalence of fraudulent practices and biases in peer reviews, accelerating innovation and the dissemination of knowledge across the scientific community.

AssistOS: Open Source AI Operating System

Vision & Strategy

The future of operating systems and how we interact with computers and user interfaces is poised for a radical transformation. The traditional concept of applications, defined by carefully prepared user interfaces, is evolving into a more fluid and dynamic model. In this new paradigm, the essence of an application shifts from static interfaces to a set of APIs, AI models, and guidelines for the most suitable interface patterns. An AI that oversees the operating system dynamically combine these components, effectively becoming the orchestrator of user interactions.

This shift heralds a significant change in how applications are developed, deployed, and interacted. Instead of being siloed, discrete programs, applications will become adaptable services that can reconfigure in real time to meet user needs more precisely and efficiently. By leveraging AI, these systems can analyse user behaviour, anticipate needs, and adapt interfaces and functionalities accordingly. This enhances user experience by making software more intuitive and responsive and pushes the boundaries of what can be achieved with digital technologies, opening up new avenues for innovation and personalisation in software use.

To better understand the evolution of IT and to glimpse into the future, Axiologic has initiated and funded an open-source project that serves as an experimental platform for a potential open-source operating system. For more details, please visit <https://www.assistos.org/>.

The marketing strategy for AssistOS is focused on building a community that can reap immediate benefits. This includes home users and companies who install their instances of AssistOS and benefit from the ability to create intelligent agents. Additionally, users can leverage AI APIs from dozens of companies, which are integrated and optimised for use in the most suitable use cases. We also consider developing specialised products and services, which are detailed in the following chapter.

Startup Ideas

AssistOS Hosting & Consultancy

Leveraging the robust architecture of AssistOS, this startup idea focuses on providing specialised hosting services for AssistOS instances. By offering scalable and secure hosting solutions, businesses and individual users can deploy their versions of AssistOS efficiently, capitalising on its ability to integrate and manage various AI tools and services. This allows for a seamless, personalised operating system environment tailored to specific needs, promoting commercialisation through customisations, subscription-based models or pay-as-you-go services.

AI-Driven Assistance for Various Demographics

Utilising the flexibility and extensive AI integration capabilities of AssistOS, this startup can develop customised AI assistants designed to cater to the unique needs of different demographic groups. Whether for seniors requiring health management, busy professionals needing efficiency tools, or students looking for educational support, the startup will use AssistOS to dynamically configure AI tools that provide targeted assistance, enhancing user engagement and satisfaction.

AI-Created Videos

This startup would harness the powerful AI APIs integrated within AssistOS to automate and innovate in video production. The startup can offer businesses and creatives high-quality video creation services by utilising advanced AI models for editing, animating, and customising video content. These AI-driven capabilities would significantly reduce production times and costs, making professional-grade videos more accessible and customisable and opening up new revenue streams in advertising, education, and entertainment sectors.

AI-Mediated Human to Human Networking

By building on the intelligent agent framework of AssistOS, this startup could create a platform that enhances human-to-human interaction through AI mediation. This platform would use AI to analyse user profiles and interaction histories to suggest meaningful professional connections, facilitate networking opportunities, and mediate discussions by providing real-time data and insights. This would be particularly valuable in professional settings, enhancing networking efficiency and depth, thereby driving subscription models and premium services for improved features.

New generations of Internet Systems based on AI

Building on the foundational elements of the original internet, such as email, IRC, news, content sharing, publishing, and social interactions, this startup idea seeks to revolutionise these core use cases with AI-driven technologies. Despite their central role in digital communication, many systems, like email, have become outdated yet remain entrenched due to their widespread adoption. Leveraging the intelligent capabilities of AssistOS, the startup aims to introduce a new generation of internet systems that enhance these traditional platforms with AI. By integrating AI, we can reimagine and streamline communications, content distribution, and social interactions, making them more efficient, secure, and tailored to individual user needs. This venture would modernise essential internet services and open up new avenues for innovation in online interactions.

AI In Enterprise Software

Vision & Strategy

In the rapidly evolving landscape of enterprise software, integrating artificial intelligence (AI) promises transformative impacts across all levels of business operations. AI technologies are poised to revolutionise how enterprises interact with their core systems, such as Enterprise Resource Planning (ERP) platforms, by simplifying complex processes and enhancing efficiency and compliance.

A central vision of Axiologic in enterprise software is to facilitate a shift where data entry or process updates are seamlessly conducted through natural interactions with an AI assistant. Envision an environment where enterprise system users can update databases, manage workflows, or trigger processes simply by conversing with an AI-powered assistant on their smartphones. Users could speak or type in natural language or even use multimedia inputs, like photos and videos, to communicate with their ERP systems. This approach democratises user access by removing technical barriers and significantly enhances productivity by allowing more intuitive, real-time interactions with core business systems.

This capability extends to compliance and regulatory adherence, areas of critical importance in today's business environment. AI in enterprise systems can continuously monitor operations to ensure industry laws and regulations compliance. By leveraging advanced algorithms and machine learning models, these AI systems can predict potential compliance violations before they occur and suggest corrective actions, thereby mitigating risks and reducing the potential for costly penalties.

Moreover, AI has immense potential to reduce the labour needed for documentation, quality control, supervision, and verification tasks. By automating these routine yet critical tasks, organisations can reallocate human resources to more strategic initiatives, thus driving more significant innovation and value creation within the enterprise.

AI also brings transformative capabilities to roles requiring creativity. For instance, marketing teams can use AI to generate content ideas, design campaigns, or predict market trends based on data-driven insights. In product development, AI can assist in designing products by simulating user interactions and providing feedback on usability.

In summary, Axiologic's vision for AI in enterprise software is not just about automating tasks but fundamentally enhancing how businesses operate, interact, and innovate within their industries. By integrating AI into enterprise environments, we aim to create systems that are more intelligent and more responsive to the needs of businesses and their customers, ultimately making enterprises more agile, compliant, and innovative. This strategic vision underpins our commitment to pushing the boundaries of what enterprise software can achieve, ensuring our technologies are integral to the next generation of business operations.

Startup Ideas

AI-Centric ERPs

This startup aims to develop AI-centric ERP systems that enhance decision-making and operational efficiency through machine learning and data analytics. The implementation strategy focuses on integrating AI at all levels of ERP functionality, from inventory management to customer relationship management, enabling real-time insights and predictive analytics. The economic impact would be substantial, streamlining enterprise operations and reducing costs by automating complex processes and providing strategic data-driven insights that help companies adapt quickly to market changes.

Company Conscience

This startup is dedicated to developing an AI system called "Company Conscience," ensuring companies adhere to ethical practices and regulatory compliance. The strategy involves leveraging AI to monitor and report on corporate activities in real time, comparing them against ethical benchmarks and compliance requirements. The economic impact includes enhancing corporate governance, reducing the risk of fines and reputational damage, and fostering trust among investors, regulators, and the public.

Software Agents Replacing Employees

This startup proposes using AI-powered software agents to take over routine and administrative tasks traditionally performed by human employees. By implementing intelligent agents capable of learning and adapting to various operational tasks, the strategy aims to reduce labour costs and increase productivity significantly. The economic impact would be transformative, freeing human resources for more creative and strategic roles, thus driving organisational innovation and growth.

Conclusions

In conclusion, Axiologic Research, under the visionary leadership of Sînică Alboaie, has successfully explored and analysed groundbreaking ideas in technology underpinned by commercial and research-oriented projects. The strategic directions of Blockchain & OpenDSU, Decentralization & Social Technologies, AssistOS, and AI in Enterprise Software embody a coherent vision for the future, reflecting Axiologic's commitment to technological innovation and enterprise.

While AssistOS currently stands as a prototype demonstrating our capabilities and vision, it underscores the necessity for funding and partnerships to bring these ideas to fruition. This is emblematic of Axiologic's broader strategy: to create startups and spin-offs that carry our research through dedicated teams, turning theoretical advancements into practical applications.

By making this report public, we aim to attract collaborators and partners aligned with our technological visions and values. Ideas and visions hold limited value without implementation. Therefore, each strategic direction is not merely a set of possibilities but a call to action, inviting stakeholders from various sectors to join us in transforming these innovative concepts into tangible realities. This approach ensures that every endeavour Axiologic undertakes is a theoretical exercise and a step towards creating impactful and sustainable technological solutions.

We warmly invite potential investors and partners looking to establish a startup to contact us and engage in detailed discussions about any of the ideas that resonate with them. Together, we can transform these visionary concepts into successful ventures that will lead to technological innovation.