

Project Catalyst

Campaign: F10: Development & Infrastructure

Idea No. 23987

Submitted by: Ben Gordon (bgordon)

Date of Submission: 06/22/2023



Idea: Ethereum2Cardano University

Idea Details:

Notes:

Ethereum2Cardano University

<https://cardano.ideascale.com/a/attachments/embedded-files/Eth2ADA-2bb3fc/jpeg>

Lack of an all encompassing online tooling and educational resources for developers transitioning to Cardano.

Custom Fields:

Answer:

bgordon@tangent.art

Answer:

254000

Answer:

12

Auto-translated?

No

Answer:

Create the go-to innovative online portal and webinar platform to support developers and community members in transitioning to Cardano.

Link



<https://eth2ada.com>

Link 2



<https://app.tangent.art>

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Link 3



<https://github.com/TangentADA>

Answer:

No

Answer:

No dependencies

Answer:

Project will be fully open source

Answer:

Education

SDG rating:

SDG goals:

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

SDG subgoals:

Significantly increase access to information and communications technology and strive to provide universal and affordable access to the Internet in least developed countries by 2030

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How you perceive the problem you are solving

The lack of comprehensive online tooling and educational resources for developers transitioning to Cardano. Currently, developers who want to transition from other blockchain platforms to Cardano face challenges in finding specific guidance and resources tailored to Cardano's ecosystem. At the same time there are many expert developers and Cardano community members who could help but are constrained by lack of free time or other scheduling factors. This knowledge gap impedes the growth and adoption of Cardano causing a bottleneck on new developers entering the system and so limits the number of skilled developers who can effectively build and contribute to the platform.

Your reasons for approaching it in the way that you have

We approach this problem by creating the Ethereum2Cardano University, an innovative online portal and peer-to-peer educational platform. Our approach combines educational assets with AI tools to provide developers with a comprehensive and personalized learning experience. We believe that a combination of structured educational materials, peer-to-peer educational content and AI-powered tools will address the specific needs of developers transitioning to Cardano, enabling them to overcome the challenges they face during the migration process. Furthermore the Ethereum2Cardano University will give existing developers and teams the opportunity to monetize their knowledge by creating courses, lessons and webinars for the benefit of new developers entering the Cardano ecosystem. There will be a variety of AI tools to aid content creators (such as writing plugins and image generators) so the

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process of creating a course and monetizing it is streamlined and simple. Content creators can choose to make their courses free or charge a fee but all payments will be settled in ADA as we believe it is important to promote ADA as a payment method for settlement within the ecosystem.

Who your project will engage

Our project will engage developers and community members who are interested in transitioning to Cardano. We aim to cater to developers with varying levels of experience, from beginners to experienced blockchain developers. Additionally, we will actively involve the Cardano community by encouraging experienced developers and members to monetize their knowledge to create courses, lessons, videos and webinars that can then be made available for free or for a fee on the platform. By fostering collaboration and engagement, we aim to build a supportive and vibrant community of developers sharing and teaching one another within the Cardano ecosystem.

How you will demonstrate or prove your impact

To demonstrate and prove our impact, we will employ various strategies. Firstly, we will gather user feedback and evaluate engagement metrics to assess the effectiveness and usefulness of the educational assets and AI tools provided by the Ethereum2Cardano University. Additionally, we will track the number of developers who successfully transition to Cardano and showcase the projects and applications they build on the platform. Furthermore we will have a leaderboard system which shows the top content creators and the amount of revenue they have generated from selling courses on the Ethereum2Cardano University. The growth in the number and quality of

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applications on Cardano will serve as a tangible demonstration of the impact of our project in expanding the developer community and fostering innovation within the Cardano ecosystem.

Answer:

The Ethereum2Cardano University directly addresses the challenge by providing a comprehensive support system for developers and community members transitioning to Cardano.

Specifics can be read below:

Creation and Improvement of Tools and Software

The online platform will offer a range of tools and software specifically designed to make development on Cardano easier. These tools could include integrated development environments (IDEs) tailored for Cardano smart contract development, testing frameworks, deployment utilities and libraries for common functionalities. By providing these tools, the Ethereum2Cardano University empowers developers to build on Cardano more efficiently, reducing the learning curve and increasing productivity. This in turn attracts more developers to the ecosystem, leading to a broader range of on-chain applications and innovations.

Peer to Peer Online Educational Content

Experienced developers and community members can make their own educational materials to be added to the Ethereum2Cardano Library and offered for free or for a fee. A variety of AI tools (writing tools, image

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generation tools, etc) will be available to assist content creators in creating this educational content. The content created may take the form of courses, public lessons, private lessons, videos and webinars. Strict content control using AI learning algorithms to identify and remove non-educational resources will be put in place. As well as a user reporting system to inform about inappropriate or irrelevant content. Our content and expert suggestion system will use AI to provide suitable offers and suggests courses based on a users interests and needs.

Support for SPO's (Stake Pool Operators)

The online portal will also offer resources and tools to help community members operate stake pool nodes on the Cardano network. This includes documentation, tutorials and best practices for setting up and maintaining stake pools, as well as monitoring and management tools. By simplifying the process of running stake pools, Ethereum2Cardano University encourages community members to actively participate in the network's decentralized governance and security. This increased participation strengthens the Cardano ecosystem by promoting decentralization and network resilience.

Research & Standards

The online portal will feature research papers, analysis reports and standards documentation related to Cardano. These resources will contribute to the broader understanding of the ecosystem and facilitate innovation. By conducting research and fostering standards the Ethereum2Cardano University helps advance the development of Cardano, promotes interoperability and encourages collaboration among developers and

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researchers.

Answer:

Developer Activity and Contributions

Tracking the number and quality of projects developed on Cardano by users of the platform can serve as an indicator of success. Increased developer activity and contributions demonstrate that the tools and resources provided are enabling the creation of innovative apps on Cardano. A leadership board showing the top content creators and the revenue they have generated from their courses/classes will act as both a quantifiable measure of success and a motivator to encourage other members of the community to use the platform and monetize their Cardano expertise.

Adoption and Usage

The number of developers and community members using the online portal and engaging with the AI tools can be a measure of success. Increased adoption indicates that the platform is providing value and effectively addressing the needs of the Cardano community.

Feedback

Collecting feedback from users about their experience with the tools, resources and webinars can provide insights into the platform's effectiveness. Regular surveys, user ratings, and testimonials can be used to gauge user satisfaction and identify areas for improvement.

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Answer:

IOG / Cardano Foundation

Using IOG and/or the Cardano Foundation's reach to disseminate the outputs and results of the project through their official channels. This collaboration can amplify the reach and visibility of the University's initiatives and ensure widespread access to the resources created. We were fortunate to be spotlighted for our Eth2Ada Developer Dictionary for Fund 9 via IOG's Twitter .

Documentation and Reports

Publishing comprehensive documentation on the online platform that covers the tools, standards, research and analysis conducted by the University. These documents can be openly accessible to the community and serve as a valuable resource for developers and researchers.

Webinars and Workshops

Organizing regular webinars and workshops through the platform to share insights, best practices and updates on the latest developments in the Cardano ecosystem. These interactive sessions can facilitate knowledge sharing and foster a sense of community among developers and stakeholders.

Educational Content Spotlighting

Spotlighting contributors and the courses that are trending on the platform is another way we can share our outputs with the community and ensure that

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popular and useful content is disseminated more widely and that "super teachers" get the recognition they deserve. Stories about users who have achieved personal or professional success using Ethereum2Cardano University will motivate and inspire community members.

Open-Source Contributions

We shall release relevant tools, libraries or frameworks as open-source software. This allows the broader community to benefit from the University's work and encourages collaboration and contributions from other developers. Platforms like GitHub can be utilized for hosting and maintaining open-source projects.

Answer:

Previously funded in F9 (eth2ada.com - Phase 1, Ethereum2Cardano Dictionary) and closed out this proposal successfully:

<https://cardano.ideascale.com/c/idea/64039>

We have already successfully deployed a staking app on Cardano mainnet that supports staking for the following assets: NFTs, Liquidity Pool Tokens (from any DEX; minswap, sundeaswap, musileswap, etc) and Native tokens:

Mainnet:

<https://app.tangent.art>

This app is popular and currently has over 570,000ADA total value locked (TVL) and 1000s of users who are very satisfied with the project.

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Our capability to maintain these standards is grounded in our experience as a team, full time 9 strong, transparent communication - be it in Town Hall breakouts of elsewhere, community engagement - 5k + active community, adherence to timelines and commitment to continuous improvement. We want to stress that we are a full time team with commitments to build on Cardano.

Answer:

The Cardano2Ethereum University has 3 essential goals:

Facilitate ease of development on Cardano through the provision of customized tools, research papers, databases, online portals, AI tooling and software specifically tailored to meet both the needs of developers and the community. User feedback, adoption rates of the tools and their impact on developer productivity will serve as indicators to validate the feasibility of this goal.

Enhance Cardano based education and give experienced community members the opportunity and tools to create educational resources, documentation, lessons, webinars and workshops. As well as the potential option to monetize this work (if they should so choose).

Foster innovation and collaboration within the Cardano ecosystem is the third primary goal of the project. This will be accomplished through research, analysis and the establishment of standards. The feasibility of this goal will be measured by the quality and impact of the research outputs, adoption of the standards by the community and the level of collaboration achieved among developers and researchers.

To validate the feasibility of our approach we will take the following steps.

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Actively seek user feedback from developers, stakeholders and community members through surveys, interviews and user testing sessions. Positive feedback, suggestions for improvement, and increased user engagement will indicate the feasibility and effectiveness of our approach.

Monitor adoption rates and usage metrics, such as the number of active users, frequency of usage and popularity of specific features available on the University. Higher adoption rates will signify that our project is meeting the needs of developers and community members.

Assessing educational content productivity and outcomes, including metrics like accumulated course hours consumed by users, number and variety of educational materials created using the platform, and the amount of income generated for course creators.

Lastly, we will measure the impact of our research and standards initiatives through metrics like citations, collaborations and contributions to the Cardano knowledge base. By diligently evaluating these aspects, we will gather meaningful data to validate the feasibility of our approach, allowing us to make necessary adjustments and improvements to effectively serve the Cardano ecosystem.

Answer:

1) Milestone: Online Portal Development

Design and development of the online portal architecture

Creation of user interface and user experience (UI/UX) design

Implementation of features and functionalities for tools, resources, and documentation

Expected Timeline: 2 months

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2) Milestone: AI Tools Integration

Research and selection of AI tools suitable for supporting users

Integration of AI tools into the online portal

Testing and refinement of AI tools for optimal performance

Expected Timeline: 1 month

3) Milestone: Peer-to-Peer Educational Platform Setup

Develop the Peer 2 Peer online educational resource service

Alpha Launch followed by further customization based on feedback

Integration of AI tools with the Peer to Peer Educational Platform

Expected Timeline: 1 month

4) Milestone: Development Toolkits and Libraries

Identification of common functionalities required by developers on Cardano

Development of toolkits and libraries to streamline development processes

Documentation and examples for usage and integration

Expected Timeline: 3 months

5) Milestone: Stake Pool Operator Support

Creation of comprehensive documentation for setting up and maintaining stake pools

Development of monitoring and management tools for stake pool operators

Integration of stake pool support features into the online portal

Expected Timeline: 2 months

6) Milestone: Research and Standards

Conduct research on Cardano ecosystem innovation and improvement areas

Analysis of existing standards and identification of gaps

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Collaboration with stakeholders and researchers to develop new standards and resources

Expected Timeline: (ongoing) 3 months

7) Milestone: Webinars and Workshops to teach users how to use Ethereum2Cardano University

Tasks: Planning and organization of educational webinars and workshops

Creation of educational resources and materials

Promotion and registration management for webinars and workshops

Expected Timeline: Ongoing, with periodic events throughout the project duration

Expected Delivery Time = 12 Months

Answer:

Milestone 1: Online Portal Development

Deliverables: Fully functional online portal with an intuitive user interface and user experience.

Outputs: Architecture design, UI/UX design, integrated features for tools / resources / documentation.

Intended Outcome: Availability of a user-friendly online platform that serves as a central hub for developers and stakeholders to access tools, resources and documentation related to Cardano development and infrastructure.

Milestone 2: AI Tools Integration

Deliverables: Integration of AI tools into the online portal.

Outputs: Functioning AI tools integrated within the platform.

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Intended Outcome: Availability of AI-powered tools that enhance the development experience by providing intelligent assistance, automation and analysis capabilities to developers and community members.

Milestone 3: Peer-to-Peer Educational Platform Setup

Deliverables: A Peer-to-Peer platform for the creation and monetization of educational materials

Outputs: Fully functional Peer-to-Peer Educational platform with registration, hosting, monetization and interactive features.

Intended Outcome: Capability for users to organize and host educational webinars, workshops, and interactive sessions to facilitate knowledge sharing and community engagement.

Milestone 4: Development Toolkits and Libraries

Deliverables: Development toolkits and libraries

Outputs: Well-documented toolkits and libraries that streamline development processes and provide common functionalities.

Intended Outcome: Enhanced productivity and efficiency for developers on Cardano, enabling them to build applications more effectively and reducing the learning curve.

Milestone 5: Stake Pool Operator Support

Deliverables: Comprehensive stake pool documentation, monitoring and management tools.

Outputs: Documentation, tutorials and tools to support stake pool operators in setting up and managing their pools.

Intended Outcome: Increased participation of community members as stake pool operators, leading to a more decentralized and secure Cardano network.

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Milestone 6: Research and Standards

Deliverables: Research papers, analysis reports and standards documentation.

Outputs: Publications, reports and established standards for Cardano development and infrastructure.

Intended Outcome: Advancement of the Cardano ecosystem through innovation, collaboration and the establishment of best practices and standards.

Milestone 7: Webinars and Workshops

Deliverables: Educational webinars, workshop materials, and resources.

Outputs: Recorded webinars, presentation materials and educational content.

Intended Outcome: Enhanced education and knowledge sharing within the Cardano community, empowering stakeholders with the necessary skills and understanding to actively contribute to the ecosystem.

Answer:

Online Portal Development - 50,000 ADA

UI/UX design and development: 30,000 ADA

Backend development and integration: 20,000 ADA

AI Tools Integration - 30,000 ADA

Selection of Premium AI tools & Professional Plugin's: 10,000 ADA

Integration and customization: 20,000 ADA

Peer-to-Peer Educational Platform Setup - 20,000 ADA

Webinar platform software or service: 10,000 ADA

Customization and integration: 10,000 ADA

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Development Toolkits and Libraries - 40,000 ADA

Development of toolkits and libraries: 30,000 ADA

Documentation and examples: 10,000 ADA

Stake Pool Operator Support - 30,000 ADA

Stake pool documentation creation: 15,000 ADA

Monitoring and management tools development: 15,000 ADA

Research and Standards - 54,000 ADA

Research efforts: 40,000 ADA

Standards documentation and resources: 14,000 ADA

Webinars and Workshops - 20,000 ADA

Webinar organization and promotion: 10,000 ADA

Workshop materials and resources: 10,000 ADA

Miscellaneous and Contingency - 10,000 ADA

Reserved for unexpected expenses and contingencies.

Total Budget: 254,000 ADA

Answer:

Clint Alexander // Chief Technology Officer

<https://www.linkedin.com/in/clint-alexander-049742233/>

calexander@tangent.art

Responsibilities: overview / decision making / development / coding

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Custom Fields:

Bio:

Serial entrepreneur & cryptocurrency enthusiast since 2013

Miner

Investor

Digital asset fund manager

Solidity back end smart contract development

CEO & manufacturer of Bitcoin SHA256 ASIC miners and other electronic hardware

Worked alongside Bitcoin mining hardware companies such as Bitmain, Rockminer and Gekkoscience

Ben Gordon // Creative Director

<https://www.linkedin.com/in/ben-gordon-352b37232/>

bgordon@tangent.art

Responsibilities: overview / decision making / marketing / development

Bio:

Cryptocurrency enthusiast since 2017

Previous freelance marketing executive for a number of leading international educational establishments in Asia

Previous retail company owner

Transitioned to blockchain project development in 2017

A knowledge of all stages from brand creation, overall strategy, research, analysis, law and token creation.

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Freelanced on a number of blockchain projects including Northern Lights before creating Tangent in 2021

Marjan Zadeh// Senior Software Engineer
<https://www.linkedin.com/in/marjankhodadadzadeh/>
marjan@tangent.art
Responsibilities: full stack / front end / back end

Please consult <https://tangent.art/team> to view the rest of our core team profiles.

Answer:

The cost of the project provides value for money for the Cardano ecosystem in several ways.

Firstly, the project aims to offer extensive support to developers and stakeholders transitioning to Cardano. By investing in the development of an online portal, AI tools, and educational initiatives the project ensures that the ecosystem has the necessary support infrastructure in place once the industry sees mass adoption. This comprehensive support enhances the overall experience for developers, making it easier for them to build on Cardano and increasing their productivity.

Secondly, the project focuses on providing resources, documentation and tools specifically tailored to Cardano development. This targeted approach saves developers time and effort by providing them with the necessary resources and

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libraries they need to build applications on the platform.

Lastly, by fostering innovation, collaboration, and the establishment of standards, the project contributes to the growth and advancement of the Cardano ecosystem. This creates a more robust and vibrant ecosystem that attracts more developers, stakeholders, and investors, ultimately increasing the value and potential of the Cardano network.

Overall, the cost of the project represents a worthwhile investment as it brings tangible benefits to the Cardano ecosystem, facilitates development and helps drive the ecosystem's long-term success.

Answer:

I Accept

Answer:

Ben Gordon

Answer:

Clint Alexander

Marjan Zadeh

Answer:

Yes