

Name of project and Project URL on IdeaScale/Fund:

[Wider accessibility of automatic borrowing - Lenfi Software Development Kit \(SDK\)](#)

Your Project Number:

1100289

Name of project manager:

Lukas Armonas

Date project started:

March 11, 2023

Date project completed:

November, 2024

List of challenge KPIs and how the project addressed them:

1. Challenge KPI 1:

Goal: Demonstrate the potential for Cardano's blockchain to enable accessible and efficient DeFi solutions

How Addressed:

- The DeFi project "Danogo" integrated our SDK's API, showcasing real-world applicability.
- The Lenfi NPM package peaked at approximately 300 weekly downloads, indicating developer interest and ease of adoption.

2. Challenge KPI 2:

Goal:

Support blockchain innovation and integration with other exponential technologies, enhancing the DeFi ecosystem on Cardano.

How Addressed:

- Prior to making the repository private due to a security vulnerability, the SDK's public GitHub repo was forked 3 times, demonstrating initial developer experimentation and interest.
- A community contributor opened 1 issue related to batching transactions, providing valuable feedback that helped refine the SDK's transaction automation.

3. Challenge KPI 3:

Goal: Drive adoption and collaboration by attracting developers and users from other ecosystems to Cardano.

How Addressed:

- By maintaining accessible development tools and open repositories (until security concerns arose), we encouraged exploration from a broader developer audience.

The integration by a new DeFi project and initial forks indicated genuine interest that could extend beyond the traditional Cardano developer base.

List of project KPIs and how the project addressed them:

1. Project KPI 1: SDK Codebase Public Availability

Codebase for SDK published and accessible on GitHub for developers to clone and build.

2. Project KPI 2: Implementation of Batchers Functionality

Implemented automated Deposit, Withdraw, Borrow, and Repay actions via the Batchers feature, enhancing the efficiency and scalability of repetitive transaction tasks.

3. Project KPI 3: Expansion of Pool Management Features

Added functionality for Create Pool, Delete Pool, and Delegate to Stake Pool actions, broadening the SDK's range of supported DeFi operations and promoting more diverse use cases.

Key achievements (in particular around collaboration and engagement):

- Public SDK Launch on GitHub
 - Successful Batchers Functionality Integration
 - Expanded SDK Functionality for Pool Management
 - Educational Resources for Community Engagement
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Key learnings:

- Value of Automation in DeFi Protocols
 - Importance of Community-Focused Resources
 - Scalability through Batching and Pool Actions
 - Public Codebase as a Catalyst for Community Involvement
 - Impact of Communication and Updates on Engagement
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Next steps for the product or service developed:

- **Enhance SDK Documentation and Tutorials:** Further refine technical materials to lower the barrier for new developers.
- **Implement Additional Pool Management Features:** Expand the range of DeFi actions and improve existing functionalities.

- **Optimize Batchers Functionality for Scalability:** Further improve performance and reliability in high-load environments.
 - **Expand Compatibility and Integrations:** Explore interoperability with other ecosystems and technologies.
 - **Community Engagement and Feedback Loop:** Reopen codebase access once vulnerabilities are addressed and continue fostering community-driven innovation.
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Final thoughts/comments:

The Lenfi SDK release contributes to Cardano's DeFi landscape by delivering accessible, automated, and scalable transaction capabilities. The initial community engagement—evidenced by integration in another DeFi project, npm usage, and contributor feedback—signals the SDK's potential as a cornerstone for future innovations. Ongoing improvements, especially enhanced documentation, security measures, and active community dialogues, will ensure the SDK remains a valuable resource and driver of growth within Cardano's DeFi ecosystem.

Links to other relevant project sources or documents:

- [Github link](#)
 - [X announcement](#)
 - [Deno library available on](#)
 - [SDK publicly available on](#)
 - [Tutorial](#)
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Link to Close-out video:

<https://youtu.be/-xofCoKZqJk>