

Stellar for #DeFiSummer

Welcome to DeFi Summer! Before you dig in, we suggest taking a look at the schedule, challenges, and submission requirements, and checking the rules and guidelines to make sure you are eligible to receive awards. Once you've done that, walk through the 'How to get started' section to get a high-level understanding of Stellar, consult the 'Developer Resources' for guidance to help you start building, and check out the 'Tips and Tricks' section for valuable insights from the Stellar Development Foundation team. Good luck!



Schedule

The hackathon is split into two stages: a learning and a building stage. We'll host workshops at the beginning of the learning stage on June 11th and June 15th, and offer additional support on Discord over the course of the hackathon. Be sure to submit your project on defi.devpost.com before August 15th at 11:30 PM ET. [Here is the schedule for #DeFiSummer](#)

Challenges

SDF will award 3 prizes totalling \$3K worth of XLM (also called [the lumen](#), is Stellar's native network currency) to the **best project built on Stellar that solves a specific real-world problem.**

The way the global financial establishment is structured today, people are born into an economy just like they're born into a political system. Stellar is a way out: it lets people participate in a worldwide, stable financial network regardless of where they live. In this challenge, your job is to build a project on the Stellar test network that solves a specific real-world problem. Examples include [Uhuru Wallet](#), a WhatsApp based wallet that allows for intra-African payments, [Vibrant](#), a dollar-savings app for Argentines, and [DSTOQ](#), which makes investing accessible and affordable for people in emerging markets.

Submission Requirements

- To participate in the hackathon, all entries must:
- Use Stellar a fundamental part of the application;
- Focus on good user experience;
- Share a link to a Github repo;

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- We want to evaluate the code, understand your thought process, and assess your implementation.
- Share a link to a video that clearly demonstrates the project's features and functionality. The video should be no longer than 3 minutes.

How to get started

Interested in learning about Stellar but not sure where to start? Follow these easy 4 steps to become an expert in no time!

1. Take a look at these high-level overviews:
 - [Intro to Stellar](#)
 - [Coinbase Earn](#)
2. Attend the first workshop: 'Introduction to Stellar' on June 11th at 12 PM EDT on the [live event channel on Discord](#)
 - Here is the [recording](#) if you missed it!
3. Complete the exciting challenges of [Stellar Quest](#) to get hands-on experience with Stellar.
4. Attend the first workshop: 'How to get started developing on Stellar' on June 15th at 12 PM EDT on the [live event channel on Discord](#)

Use this [link](#) to add all the workshops to your calendar.

Developer resources

Now you know how Stellar works, it's time to start coding! Below are some key resources and tools you can use to build your project on Stellar.

First, a quick note: for this challenge, you'll be building on the [Stellar testnet](#). That's a requirement. We want you to experiment in a sandbox safe from live assets. You don't need to set up your own Stellar infrastructure to use the testnet: the SDF offers a public Horizon API instance that allows you to access it immediately and free of charge, and we encourage you to use it: <https://horizon-testnet.stellar.org/>.

Documentation

- [Stellar Documentation](#) — The canonical resource for building on Stellar. Learn to [create an account](#), [send and receive payments](#), [issue assets](#), [build and trick out a Stellar wallet](#), and more.

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- [Stellar App Boilerplate](#) — A collection of basic Stellar functions designed for hackathons that's a little less intimidating than the Stellar Documentation. Get up and running building Stellar apps faster than ⚡ Usain Bolt ⚡
- [Horizon API Reference](#) — A detailed guide to the resources, endpoints, and errors you will encounter when using the Horizon, the Stellar API.
- [Awesome Stellar](#) — A curated list of Stellar applications, blog posts, educational resources, tools, and more.

Project tools

Building a project using a technology you don't know yet can feel like a lot. Don't worry, you don't need to start from scratch! These tools and resources are great building blocks to start developing on Stellar.

- [Stellar SDKs](#) — A list of links to all the Stellar SDKs, each of which has its own robust set of docs. You can build on Stellar in your programming language of choice!
- [Create Stellar Token \(JS\)](#) — A script that allows you to quickly create a Stellar token on testnet.
- [Create Stellar Token + Orderbook \(Python\)](#) — A script that allows you to quickly create a Stellar token and a market for that token on the testnet.
- [SDF Test Anchor API](#) — A free public anchor server that allows you to connect your app to a test on/off ramp to simulate deposits and withdrawals of real-world currencies.
- [Albedo](#) — A browser extension that allows other Stellar apps to request transaction signing or identity verification without ever exposing your secret key.

Ecosystem tools

Use these tools to interact with and explore the network.

- [Stellar Laboratory](#) — An interface that allows you to build, sign, and submit transactions and to make requests to any of the Horizon endpoints. It's a great way to learn how to use the Stellar API!
- [Stellar Expert](#) — A block explorer and analytics platform for the Stellar Network that allows you to find information about accounts, transactions, and assets.

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Community Support

Looked everywhere but can't find a (complete) answer to your question? Reach out to the Stellar community to get help.

- Join the [#stellar](#) channel in the [Hack the System Discord](#) to ask questions to anke#4726 of the SDF team!
- Join [Stellar Quest](#) and [Stellar Global](#) on Discord — Dedicated community members are always around, and they love to help with questions, or just talk about Stellar-related things!
- [Stack Exchange](#) — Search through past questions or post a new question related to Stellar.

Tips and tricks from the SDF team

When building your project, keep these useful tips and tricks in mind:

- 1) Think about security, and make sure to follow security best practices. Make sure you **always** protect your user's information. Leaking users' secret keys, even in test mode, will disqualify you from winning awards.
- 2) It's always smart to integrate third-party APIs into your project.
- 3) Look into what we as judges care about. [SDF](#) strives to create equitable access to the global financial system. 
- 4) Once you've formed your idea, try to look at it from a user's perspective. If you're building something with broad appeal, your user may not know anything about blockchain, and that's okay! When you're building on Stellar, you can take steps to conceal the complexity of blockchain to offer a simple user experience.
- 5) Be descriptive in your submission. Answer questions like: "What problem do you want to solve? Who are your users? How are you taking advantage of Stellar in a way that will benefit them? How will your project make revenue (eventually)? What would your next steps be?" Perhaps even: "Why is Stellar the best solution for this problem?" For more info, take a look at this [checklist for hackathon idea presentations](#).
- 6) Learn from what others have done before you! Make sure you are building a unique and useful project 

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- Previous [SCF projects](#), [previous Lab Fund](#) and [current Seed Fund](#) submissions
- Winners from [HackNYU 2020](#), [Bitcoin NYBW 2020](#), [Meridian Hackathon 2020](#), [Hack the Northeast: Beyond 2021](#), and [Hack the System 2021](#)

Rules and guidelines

Please read through this section to see if you are eligible for receiving lumen awards.

Submission Eligibility

Applicable law and our internal policies restrict us from providing lumen awards to certain categories of projects. If your project is in one of our prohibited categories, it will not be eligible for an award. If you are unsure whether your project falls into these one or more of these categories, please contact us and verify.

Regardless of the voting outcome, a submission will be ineligible to receive an award if it:

- violates any applicable laws, regulations, orders, judgments, decrees, guidance, or other legal authority;
- involves, facilitates, supports, or promotes unlawful activities, including, but not limited to: fraud, drug trafficking, purchases on dark web markets, theft, illegal arms trafficking, human trafficking, abduction, extortion, embezzlement, corruption of public officials, acts of terrorism or terrorist financing, and intellectual property violations;
- involves, facilitates, or promotes gambling;
- is offensive, deceptive, harmful, or libelous;
- is or contains sexually obscene content;
- is discriminatory or abusive toward any individual or group;
- contains, transmit, or instills malware or phishing pages or devices; or
- infringes or violates any proprietary right of any party, including patent, trademark, trade secret, copyright, right of privacy, right of publicity, or other rights.

Participant Eligibility

Stellar Development Foundation intends to comply with all applicable laws and regulations in the distribution of lumen awards. All winners will be required to submit KYC documentation and fill out an applicable tax form. Failure to submit appropriate documentation or failure to pass our KYC checks will result in your rewards being forfeit. These tax forms will be used for accounting and tax reporting purposes, so please be

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aware of your country's applicable laws regarding tax-filing. Lumens will be reported at closing price on the day they are sent to you.

You must be at least 18 years of age to participate in the Beyond Hackathon unless your country's minimum age for receiving a cryptocurrency award is older, in which case you must meet the minimum age applicable in your jurisdiction.

Unfortunately, if you're a national or resident of Cuba, Iran, North Korea, Syria, Sudan, or the region of Crimea, we are unable to send you any lumens. Additionally, we may be unable to send lumens to winners in countries where local law makes it unlawful for residents to hold or receive cryptocurrencies. Please note: we currently cannot send lumens to residents of the US states of Alabama, New York, Georgia, Connecticut, New Mexico, Hawaii, Vermont, and Washington.

Miscellaneous

Challenge rules and guidelines are subject to all applicable laws and regulations. Void where prohibited by law. Judges' decisions are final and binding. Sponsor reserves the right to disqualify any submission for any reason, in its sole and absolute discretion.

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