Fundraisely

Introduction

High-Level Overview

FundRaisely is a full stack platform that enables charities, clubs, and grassroots communities to manage fundraising campaigns & events. With a donor and Sponsor CRM and AI prize finder, clubs can also host games of skill and games of chance within the platform and know they are fully compliant and transparent and verifiable on chain.

To launch we are building a multiplayer quiz system, optimised for fundraising, which leverages the Stellar blockchain to deliver transparent, regenerative fundraising.

Through this grant, we are launching the "Web3 Impact Event", a fundraising campaign powered by Glo Dollar, with transparent on-chain fund distribution and bridging to real-world charities via Coala Pay and The Giving Block while also onboarding our first Web2 Clubs and Communities.

Definitions, acronyms, and abbreviations

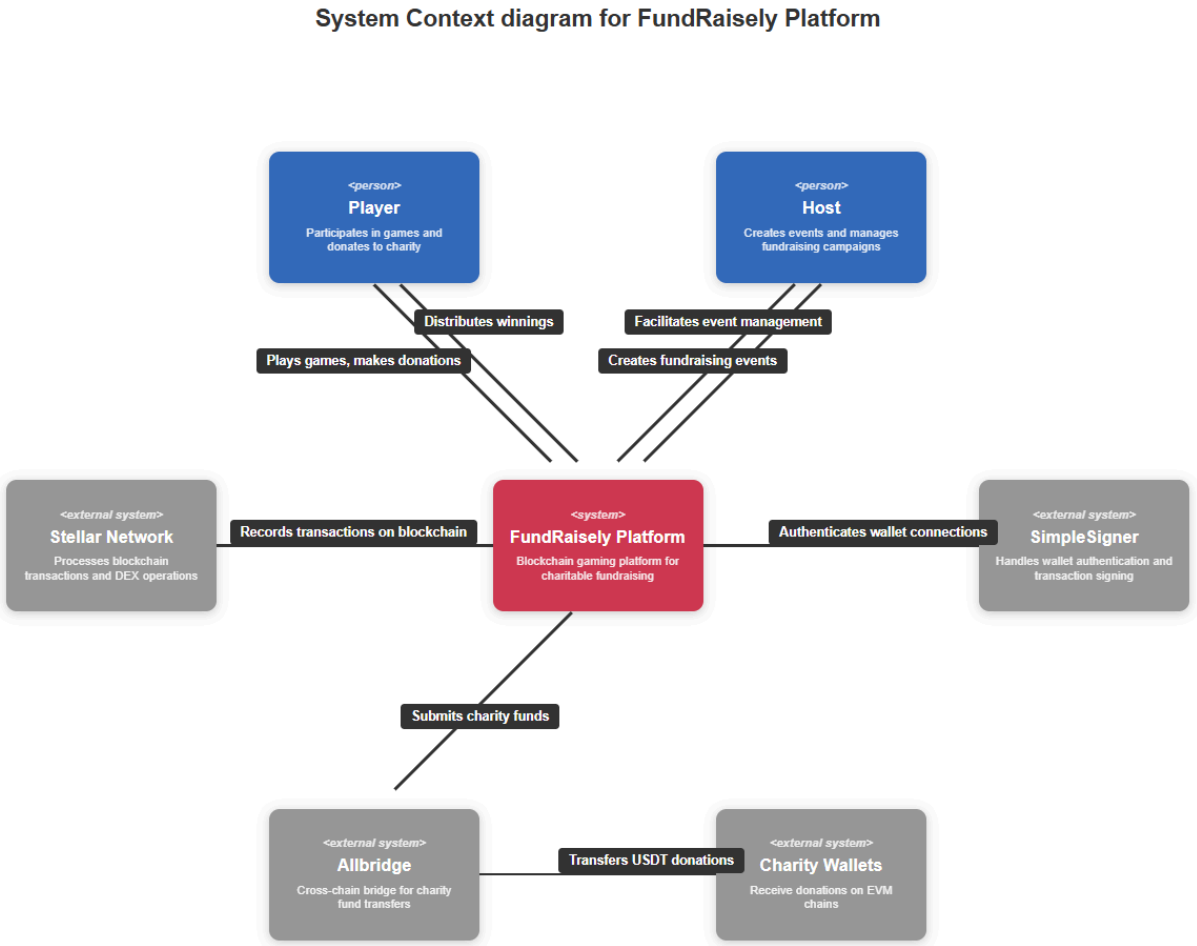
- **USDGLO**: Non-profit - Glo Dollar stablecoin on Stellar, used for game fees and payment to Coala Pay for donations.
- **USDT**: Tether (used for bridging to The Giving Block)
- **Fundraising Extras**: Optional power-ups or features players can buy (e.g., clues, second chances) to help increase the funds raised by the club. Think of it like in game extras!
- **Allbridge**: Cross-chain bridge used to move funds from Stellar to EVM for donation.
- **Games of Skill** - Like Quizzes, Escape Rooms, Treasure Hunts, which require no licence or permit to run and compliance is easy to manage.
- **Games of Chance** - (gambling activities) Like Bingo, Raffles and Lotteries that do require licence or permit to run and compliance is more difficult to manage.

Architecture constraints

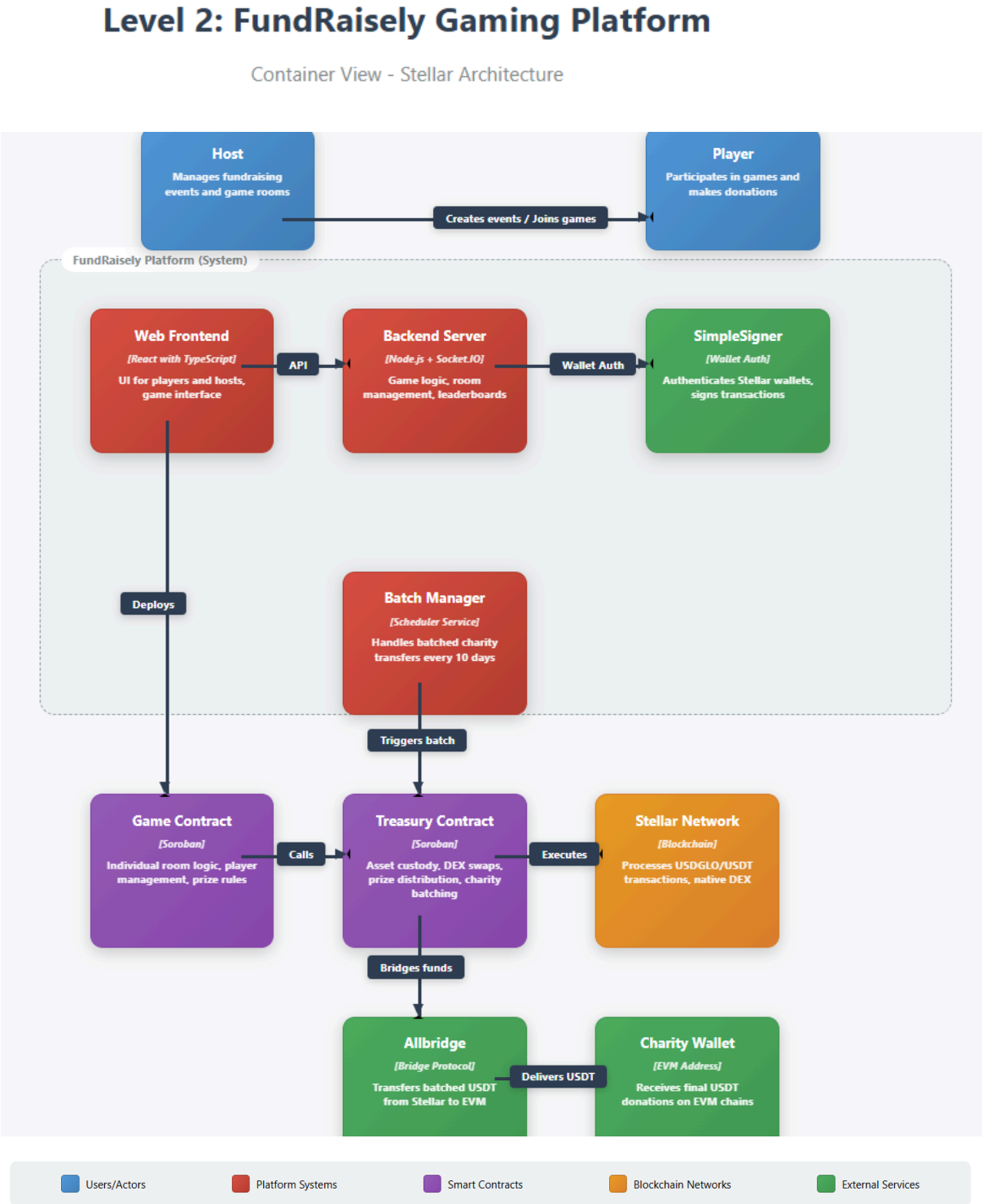
- Must support a minimum 40% donation to a registered charity.
- Max 5% host share, max 35% prize share (enforced in smart contract)
- Stellar-native support for USDGLO and USDT
- Cross-chain bridge must deliver USDT to The Giving Block
- An alternative now for donations on Stellar is Coala Pay.
- Must work in low-connectivity or mobile-first environments.
- SimpleSigner as wallet auth to reduce onboarding friction.

Architecture Overview

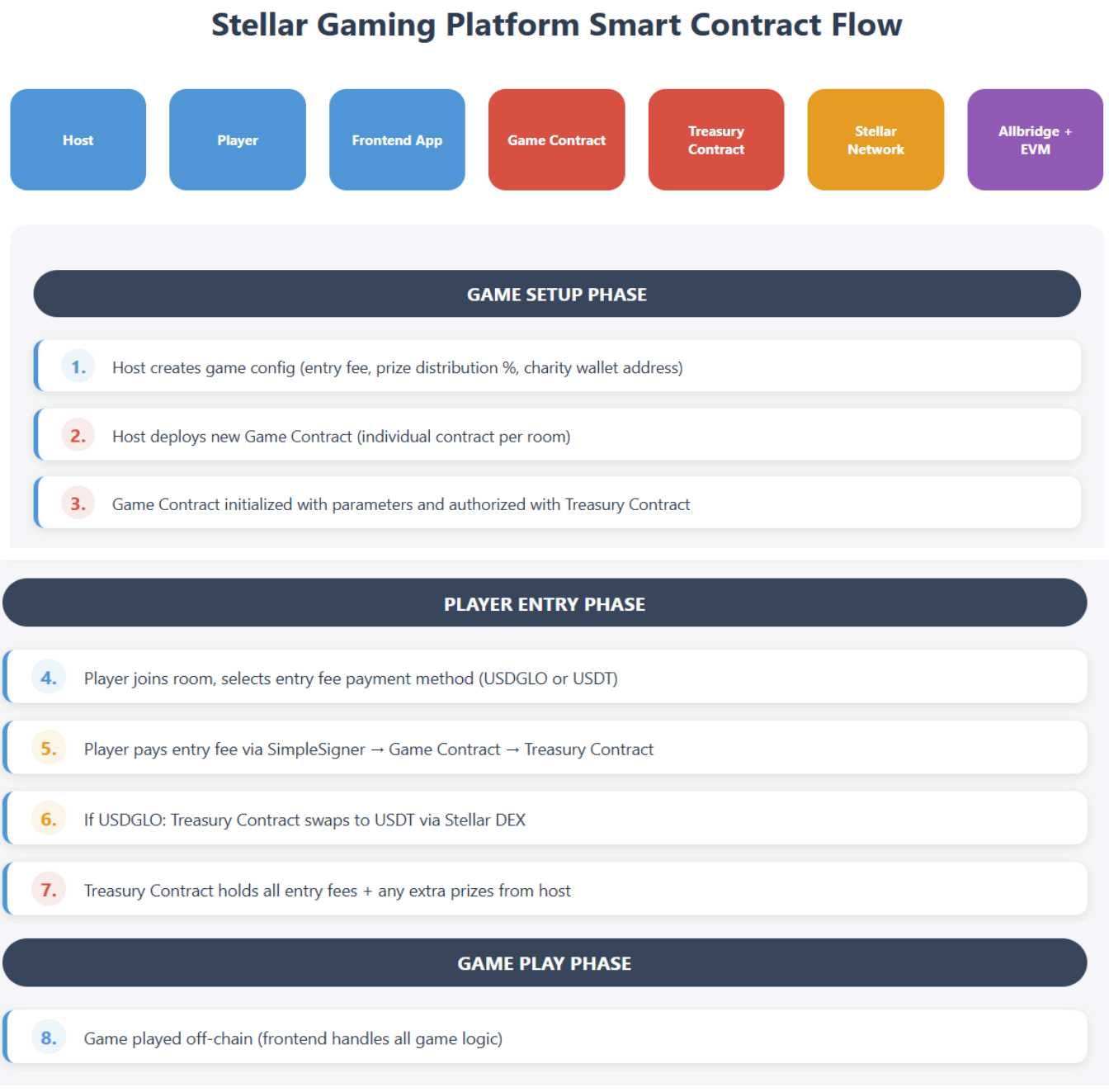
C4 L1 Diagram: High-Level Architecture

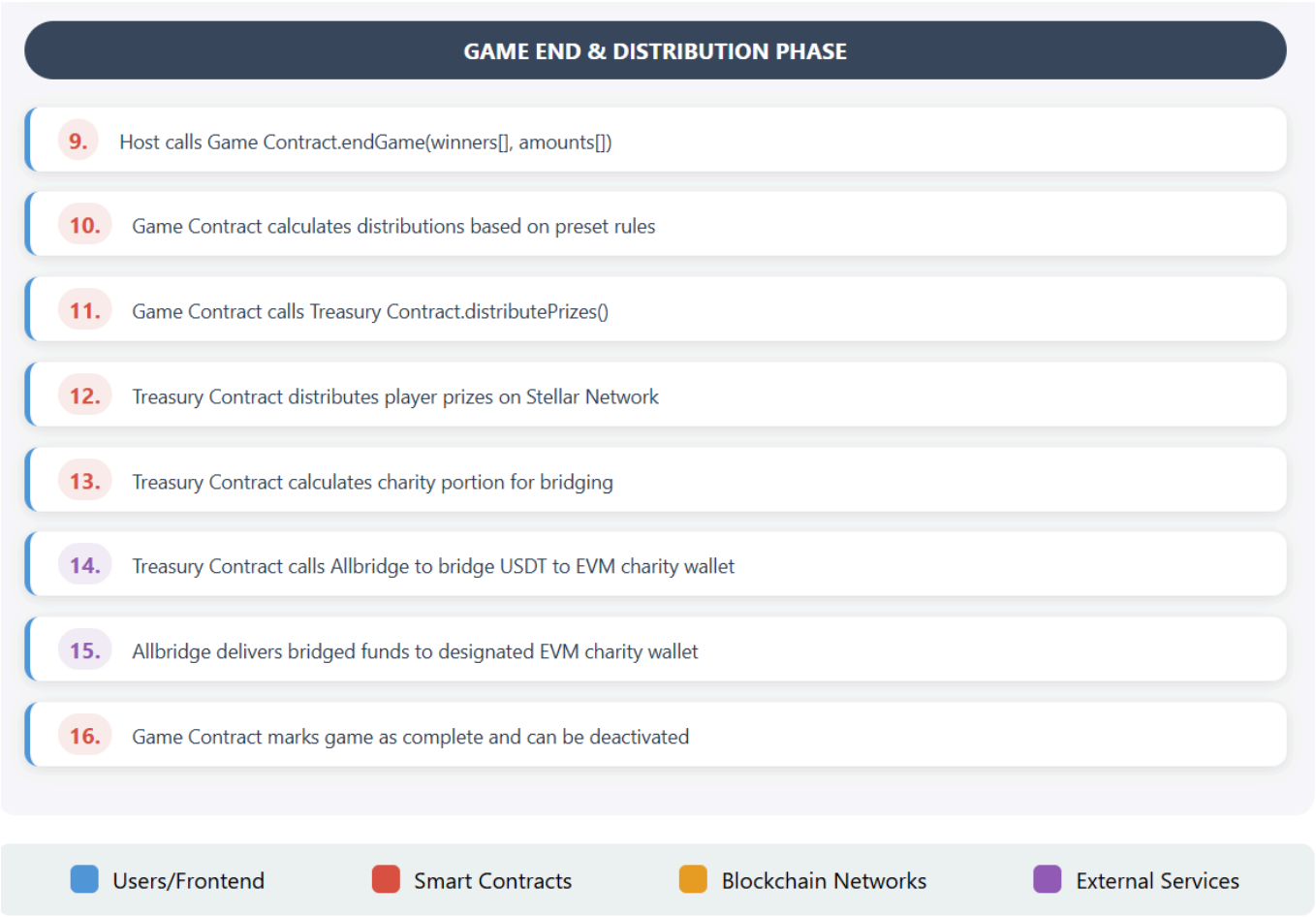


C4 L2 Diagram: Zoom into the Fundraisely System



Contract Overview





Key Architecture of Smart Contracts:

- **Separate Treasury Contract:** Handles all DeFi operations, DEX swaps, and bridging
- **Individual Game Contracts:** Each room gets its own contract (Stellar/Soroban approach)
- **Native DEX Integration:** Uses Stellar's built-in DEX for USDGLO → USDT swaps
- **Cross-chain Bridging:** Allbridge integration for charity donations to EVM
- **SimpleSigner Integration:** Wallet-agnostic transaction signing
- **Multi-asset Support:** Handles stablecoins, tokens, and NFTs natively

Technology Stack

Backend

- Node.js + Express
- Socket.IO for real-time multiplayer
- In-memory game state (no persistent DB required yet)
- Stellar Blockchain

Frontend

- React + TypeScript
- Zustand for state management
- SimpleSigner for wallet auth

Infrastructure

- Railway (PaaS for backend)
- GitHub Actions (CI/CD)

Automated Testing

- Soroban CLI & local net for contract testing
- E2E: Cypress (planned for MVP)
- Jest for frontend unit tests.

Integrations

- Allbridge: For Glo → USDT cross-chain transfer
- Stellar DEX: For USDGLO stablecoin swaps
- The Giving Block: EVM-compatible USDT wallet target
- Coala Pay: Donations
- Glo Dollar (USDGLO): Regenerative stablecoin used for donations
- SimpleSigner: Wallet onboarding without browser extensions