

# MERLION'S BLOOM

## Consumer Crypto App

A super simple, consumer-focused, single-player, coin toss game with novel game mechanics, where a player can win a prize by flipping a coin.



ETHGlobal  
SINGAPORE

# What

- Simple
- Intuitive
- Onboarding Friendly
- End-to-End Functional
- Web3 Game

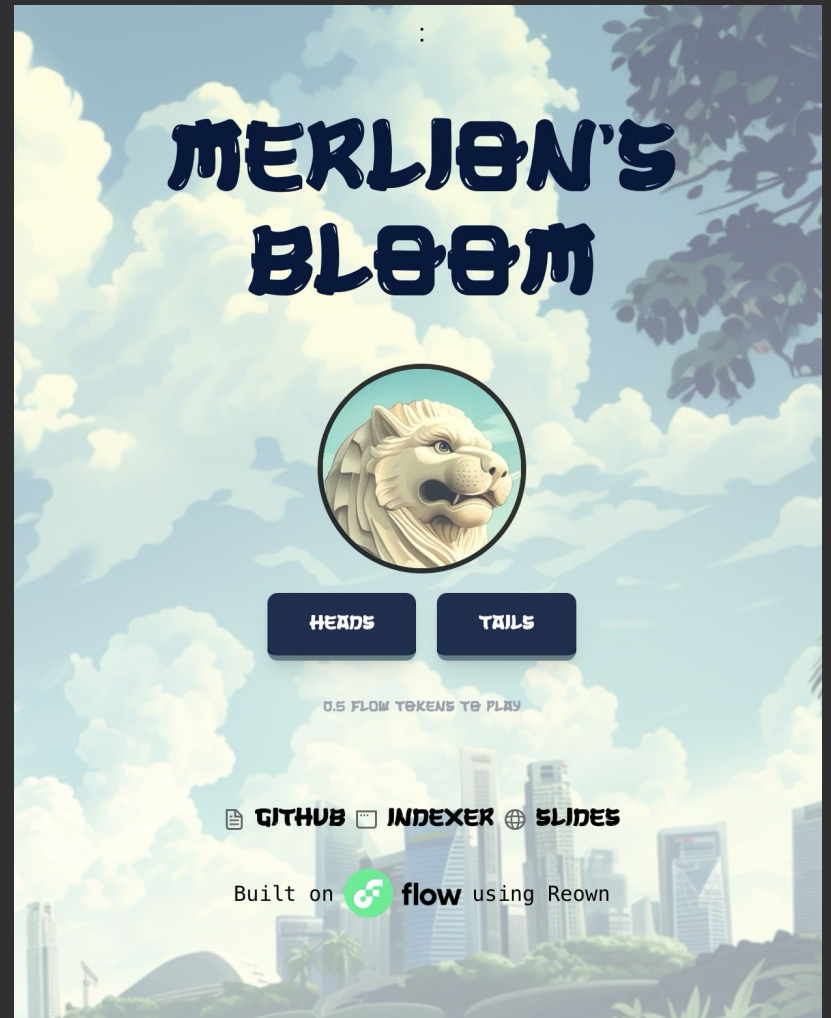
# Why

## The Problem Statement

- Web3 apps have complex UX =  
Barriers to Adoption
- Limited amount of simple  
interactive apps exist today
- Blockchain Industry needs  
more consumer adoption (Infra  
> Apps)

# How it works

Game Mechanics

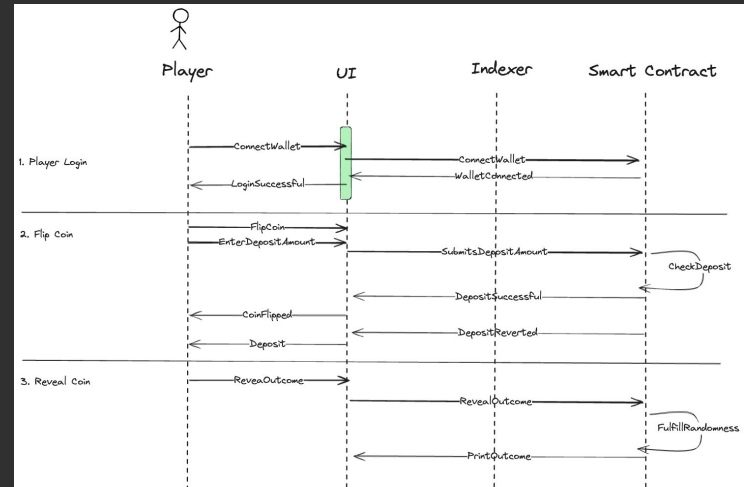
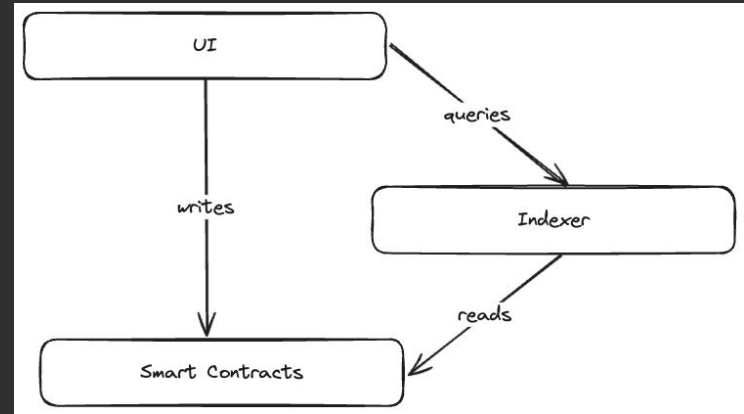


# Demo

4-minute video walkthrough

<https://merlions-bloom.vercel.app/>

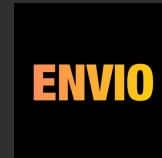
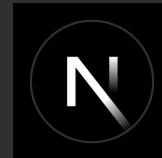
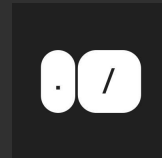
# What Logical Flow



# Built with

Tech Stack

- **UI:** Next.js, React
- **Indexer:** Envio
- **Smart Contract:** EVM, Solidity
- **Blockchain:** Flow



# Built by

The team



**Denham Preen**

“Loves being a dev”



**Sven Muller**

“Part-time human doing.  
Full-time human being”

New to Web3 development



# Challenges

Feedback, Limitations, etc.

- Deploying with hardhat (gas price error). Deployed with Remix instead
- Contract Verification via Blockscout
- Reown AA Wallet does not support Social Login on custom networks (i.e. Flow Network)

# Roadmap

Future work

- Mobile & Tablet Versions (iOS, iPadOS, Android)
- Game automatically resets itself to keep the required deposit amount low to lower barriers to entry
- Gas Sponsor
- Yield integration

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THANK YOU



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