

TradeLeague - Fantasy Football for DeFi

Social DeFi super app built on Aptos where users trade, predict, and compete with friends through spot, perps, predictions, and copy trading.

[@0xTradingLeague](#) | [GitHub](#) | [Demo Video](#) | [Pitch Deck](#)

Overview

TradeLeague is fantasy football for crypto, a social DeFi super app built on Aptos. We transform complex financial primitives into intuitive, gamified mobile experiences where anyone can trade, predict, and compete with friends.

Options trading already existed, but Robinhood made it accessible. In the same way, TradeLeague takes DeFi products such as perps, prediction markets, and vault strategies and delivers them through a mobile, easy-to-use app that billions of people are already familiar with.

Leagues: DeFi as a Sport

A novel feature is **leagues**, where users join structured competitions that feel like fantasy sports for crypto. Each league has its own rules, live leaderboards, and rewards, letting friends and communities compete head-to-head. Alongside leagues, vault following and prediction markets give users more ways to engage with DeFi as a sport: sponsored competitions, social bragging rights, and real prizes for performance. This makes trading social, accessible, and fun in a way DeFi has never been.

Built on Aptos

TradeLeague is built natively on Aptos's parallel execution, sub-second finality, and low fees, delivering the speed and scalability needed for production-grade DeFi. We integrate directly with partners like **Merkle Trade**, **Hyperion**, **Tapp**, and **Circle** to showcase composability and real-world financial utility.

Just as fantasy football turned sports into a global phenomenon, TradeLeague will make DeFi social, competitive, and engaging for everyone.

Demo & Resources

 Product 1

 Product 2

 Product 3

 Product 4

Demo Video



- [Pitch Deck](#) - Complete project presentation
- [GitHub Repository](#) - Open source code

- [Twitter](#) - Follow for updates

Quick Start

```
# Install dependencies for mobile app
cd TradeLeague
npm install

# Run on iOS
npx react-native run-ios

# Run on Android
npx react-native run-android
```

Project Structure

```
Aptos/
├── TradeLeague/                # React Native mobile application
│   ├── contracts/             # Move smart contracts
│   ├── ios/                   # iOS native code
│   └── README.md              # Mobile app documentation
├── TradeLeague-SwiftUI/       # Native iOS SwiftUI application
├── docs/                      # All documentation
│   ├── hackathon/            # CTRL+Move hackathon materials
│   ├── product/              # PRD, demos, and product specs
│   ├── development/          # Development guides and notes
│   └── setup/                # Setup and integration guides
└── scripts/                  # Utility scripts
    ├── development/          # Development automation
    └── deployment/           # Deployment and wallet management
```

Features

Core Features

- **League System:** Competitive leagues with leaderboards and rewards
- **Vault Following:** Copy successful DeFi strategies with one tap
- **Prediction Markets:** Sponsored prediction events with prizes
- **Social Trading:** Activity feed, rankings, and trader profiles

Technical Highlights

- **Aptos Keyless** - Account abstraction for seamless onboarding without seed phrases
- Cross-platform React Native mobile app

- Move smart contracts on Aptos blockchain
- Real-time leaderboards and activity feeds
- Native iOS app with SwiftUI
- PostgreSQL backend with Node.js API

Documentation

Product Documentation

- [Product Requirements Doc](#) - Complete feature specifications
- [Demo Script](#) - Product walkthrough
- [Platform Integrations](#) - DeFi platform partnerships

Development Guides

- [Mobile App Setup](#) - Mobile development setup
- [Sponsor Logos](#) - UI customization guides

Technology Stack

Frontend:

- React Native (Mobile)
- SwiftUI (Native iOS)
- TypeScript

Backend:

- Node.js / Express
- PostgreSQL
- Redis

Blockchain:

- Aptos Move
- Aptos SDK
- [Aptos Keyless](#) - Account abstraction for passwordless auth
- Petra Wallet integration

Development Scripts

```
# Development automation
./scripts/development/auto-commit.sh      # Auto-commit changes
./scripts/development/claude-watcher.sh    # Watch for changes
./scripts/development/add-sponsor-logos.sh # Update sponsor assets

# Deployment
./scripts/deployment/check-wallets.sh      # Verify wallet balances
```

TradeLeague integrates with leading Aptos DeFi protocols:

- **Merkle Trade** - Perpetual futures trading competitions
- **Hyperion** - Concentrated liquidity market making
- **Tapp Exchange** - Custom trading hook development

Smart Contract Architecture

The Move smart contracts implement:

- League management and scoring
- Vault following and strategy replication
- Prediction market resolution
- Reward distribution
- Referral tracking

See [TradeLeague/contracts/](#) for contract source code.

Deployment

Mobile App

```
cd TradeLeague

# iOS
npx react-native run-ios

# Android
npx react-native run-android
```

Smart Contracts

```
cd TradeLeague/contracts

# Deploy to testnet
aptos move publish --profile testnet

# Deploy to mainnet
aptos move publish --profile mainnet
```

CTRL+Move Hackathon

TradeLeague is built for the **CTRL+Move hackathon** (August 4 - October 3, 2025), showcasing:

- **Real Utility:** Making DeFi accessible through mobile-first design

- **Breakthrough Design:** Gamified social trading that feels like fantasy sports
- **Performance-Driven:** Built on Aptos's parallel execution and sub-second finality
- **Ecosystem Integration:** Deep integration with Merkle Trade, Hyperion, Tapp, and Circle

 [View Complete Hackathon Strategy →](#)

Contributing

For questions, collaboration opportunities, or feedback, please:

- Open an issue on [GitHub](#)
- Follow us on [Twitter](#)
- Watch our [demo video](#)

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