# TradeLeague - Fantasy Football for DeFi

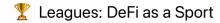
Social DeFi super app built on Aptos where users trade, predict, and compete with friends through spot, perps, predictions, and copy trading.

@0xTradingLeague | GitHub | Demo Video | Pitch Deck



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.



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.

## **Total** 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 native code
      - ios/
    README.md
                             # Mobile app documentation
  - TradeLeague-SwiftUI/
                            # Native iOS SwiftUI application
                            # All documentation
 — docs/
    hackathon/
                       # CTRL+Move hackathon materials
# PRD, demos, and product specs
      – product/
      - development/
                          # Development guides and notes
     — setup/
                             # Setup and integration guides
                             # Utility scripts
  - scripts/

    development/
    deployment/

                            # Development automation
                             # 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

# Nevelopment 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
```

# **Integrated Platforms**

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

# i0S
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

### Niew 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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Built for CTRL+Move Hackathon 2025 | Powered by Aptos | @0xTradingLeague

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