DEVELOPING SMART CONTRACTS WITH TYPESCRIPT

XPR Network

WHAT YOU WILL LEARN TODAY

- **INTRO**

  The XPR Network Ecosystem

- **HANDS ON**

  Core Concepts & Smart Contracts
  Developing

- **HOMEWORK**

  Use your gained knowledge and earn
  rewards

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PROOF-OF-STAKE BLOCKCHAIN

based on Antelope Leap technology provided by EOS foundation

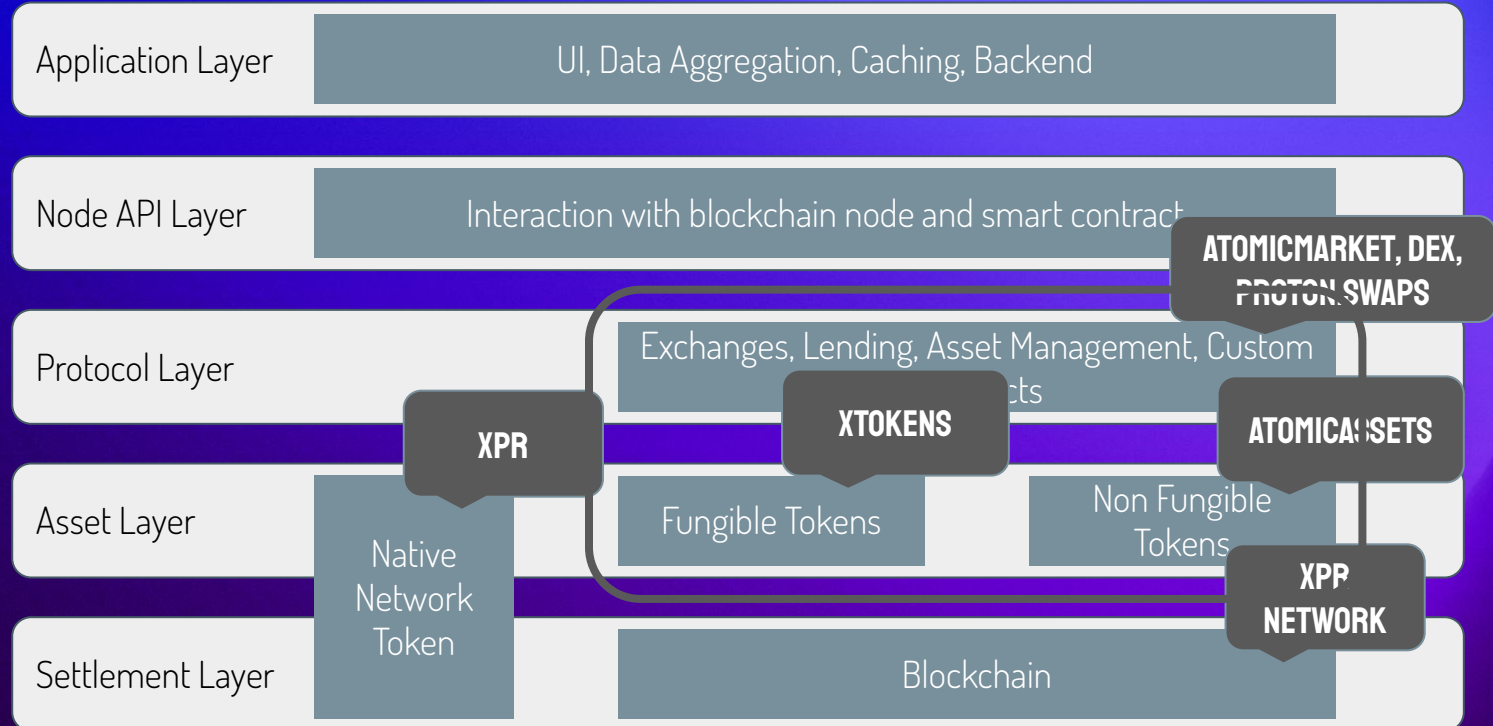## STRONG CORE DEVELOPER

with focus on DeFi and Compliance

ZERO GAS FEES

for transaction execution

@USERNAMES

readable usernames advanced account and permission system

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Application Layer	UI, Data Aggregation, Caching, Backend
Node API Layer	Interaction with blockchain node and smart contract
Protocol Layer	Exchanges, Lending, Asset Management, Custom contracts
Asset Layer	Native Network Token / Fungible Tokens / Non Fungible Tokens
Settlement Layer	Blockchain

ATOMICMARKET, DEX, PROTON SWAPS

XPR

XTOKENS

ATOMICASSETS

XPR NETWORK

XPR Network

SMART CONTRACT - CHARACTERISTICS

▪ **ALWAYS TIED TO AN ACCOUNT**

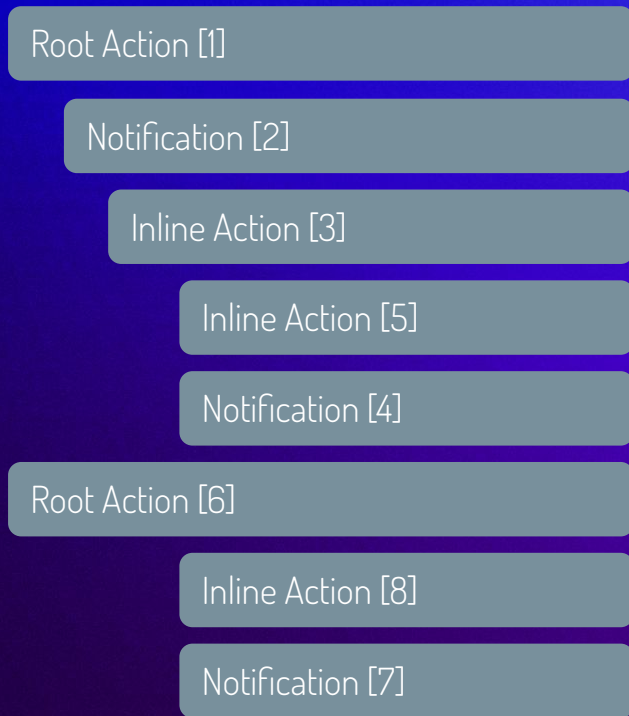An account can be controlled by both, users
(through permissions) and a contract

▪ **UPGRADABLE BY DEFAULT**

Be cautious when updating tables

▪ **CAN BE MADE PERMISSIONLESS**

By deleting the accounts keys

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SMART CONTRACTS - CORE CONCEPTS

Root Action [1]

Notification [2]

Inline Action [3]

Inline Action [5]

Notification [4]

Root Action [6]

Inline Action [8]

Notification [7]

- **ROOT ACTIONS**

  Actions submitted by a user as part of a transaction.

- **NOTIFICATIONS** ⚠️

  Incoming alerts from other smart contracts

- **INLINE ACTIONS**

  Actions generated from inside a smart contract

- **STORAGE**

  Persist contract state

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