TEAM AUTUMN

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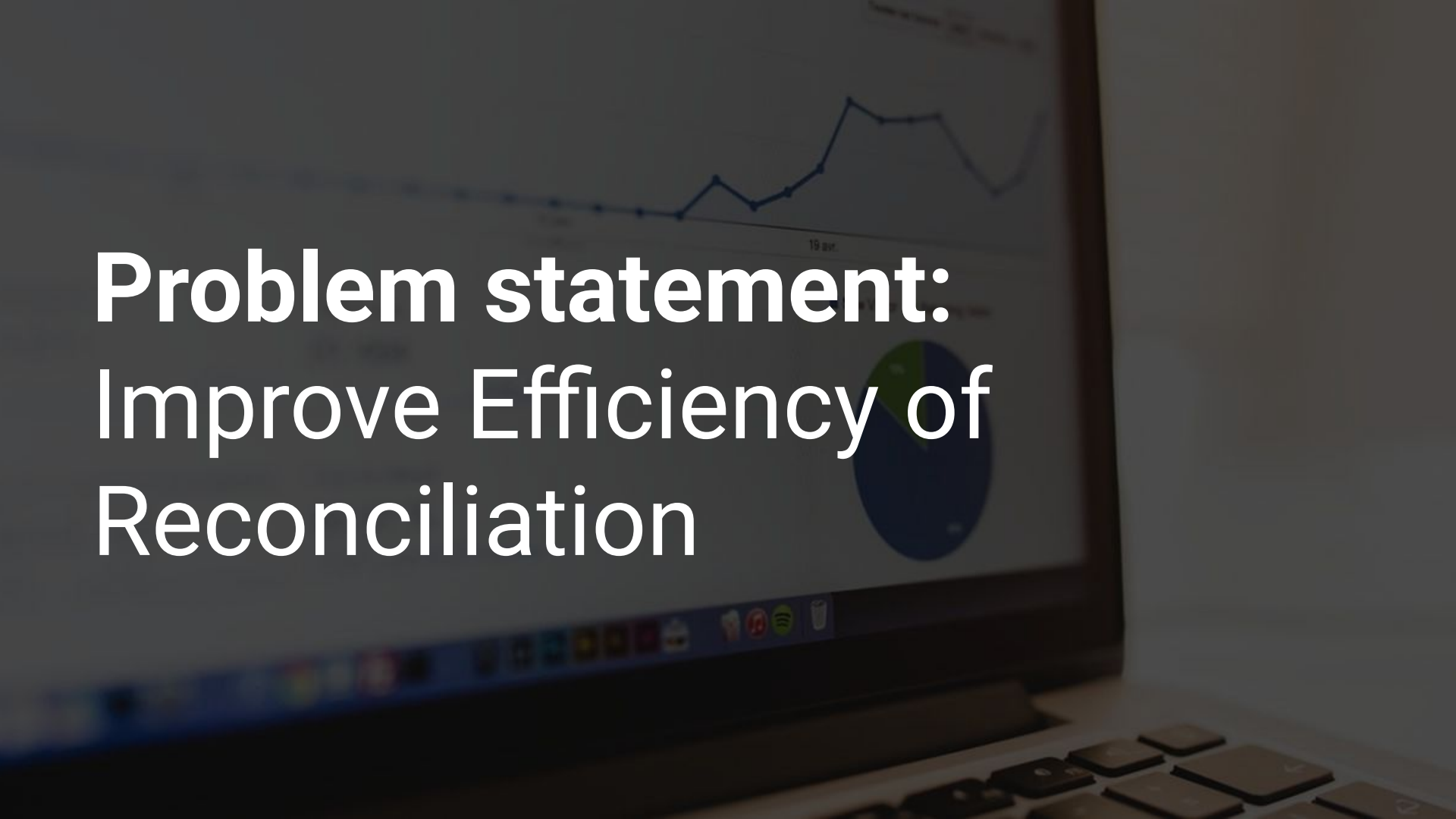
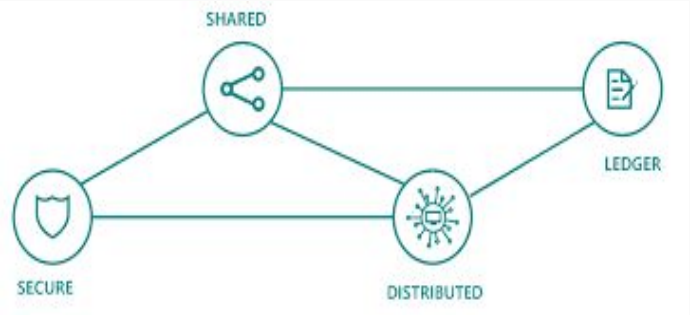


Problem statement:
Improve Efficiency of Reconciliation

The problem

- Communicating using XML messages poses the threat of data loss, data corruption.
- Results in data inconsistencies among the applications.
- Revenue losses for the enterprise.



It is **decentralized**

It is **durable**

It is **robust**

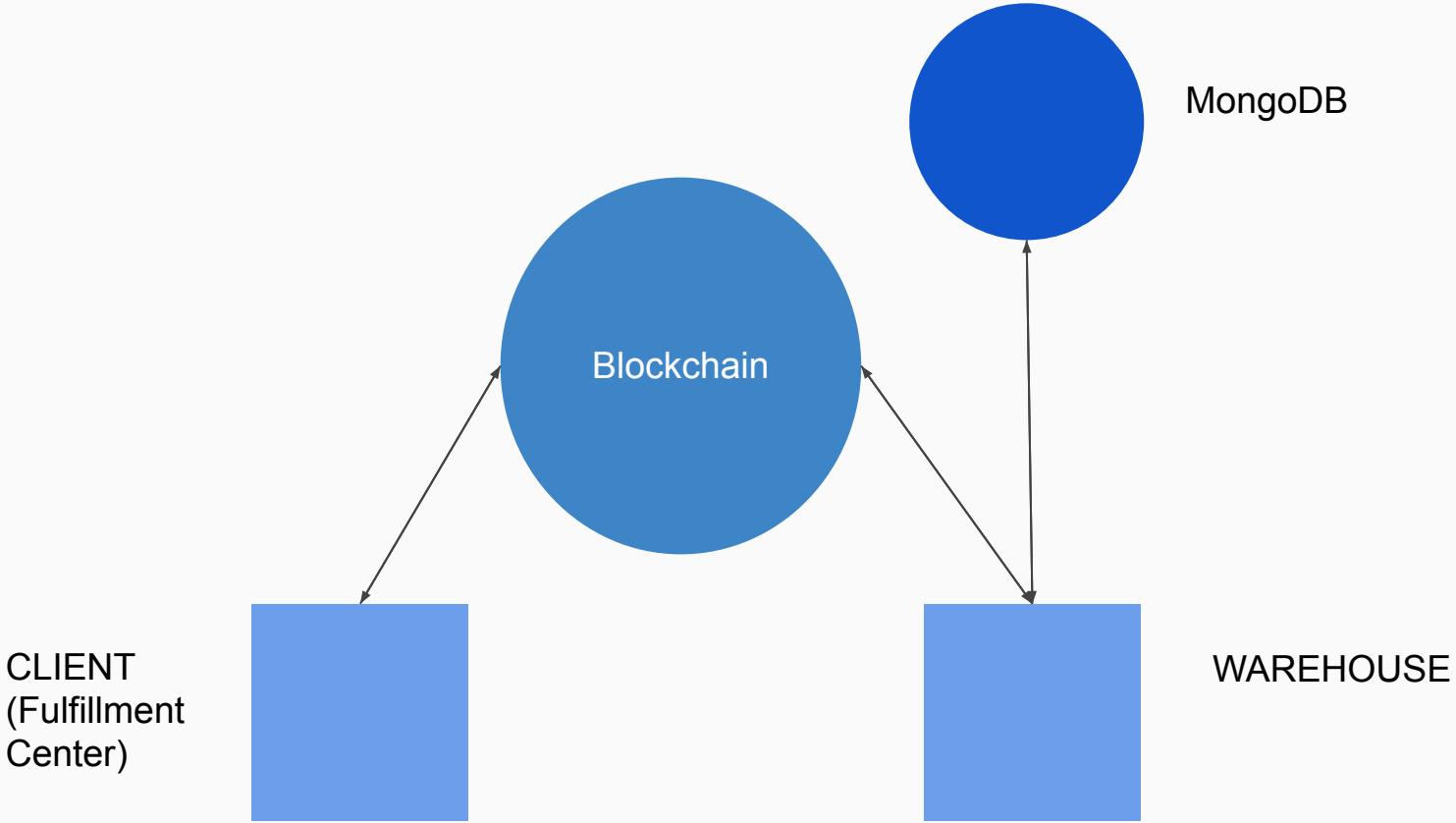
It is **transparent**

It is **incorruptible**

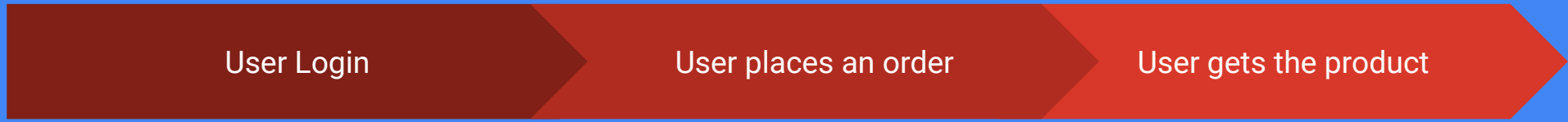
Blockchain

Technology with enhanced Security

Architecture



Blockchain Workflow



Public/Private key encrypted.

The order reaches the warehouse as a non-fungible token.

User get non-fungible tokens in return.

Warehouse Interface

- Three different tabs
  - Transactions: Shows the recent transactions.
  - Product: Shows the available products in the warehouse and related statistics.
  - Add Product: Allows the admin to add a new product to the inventory.
- Export to .csv file as an additional feature.

Future Prospects

- Implementing Elasticsearch.
- Data analysis.
- Sending notifications to clients upon successfully placing orders.
- Can be scaled for multiple firms.
- Using IPFS for media storage.