Java Chain

Your Coffee Chain... On the Block

Meet the Team!

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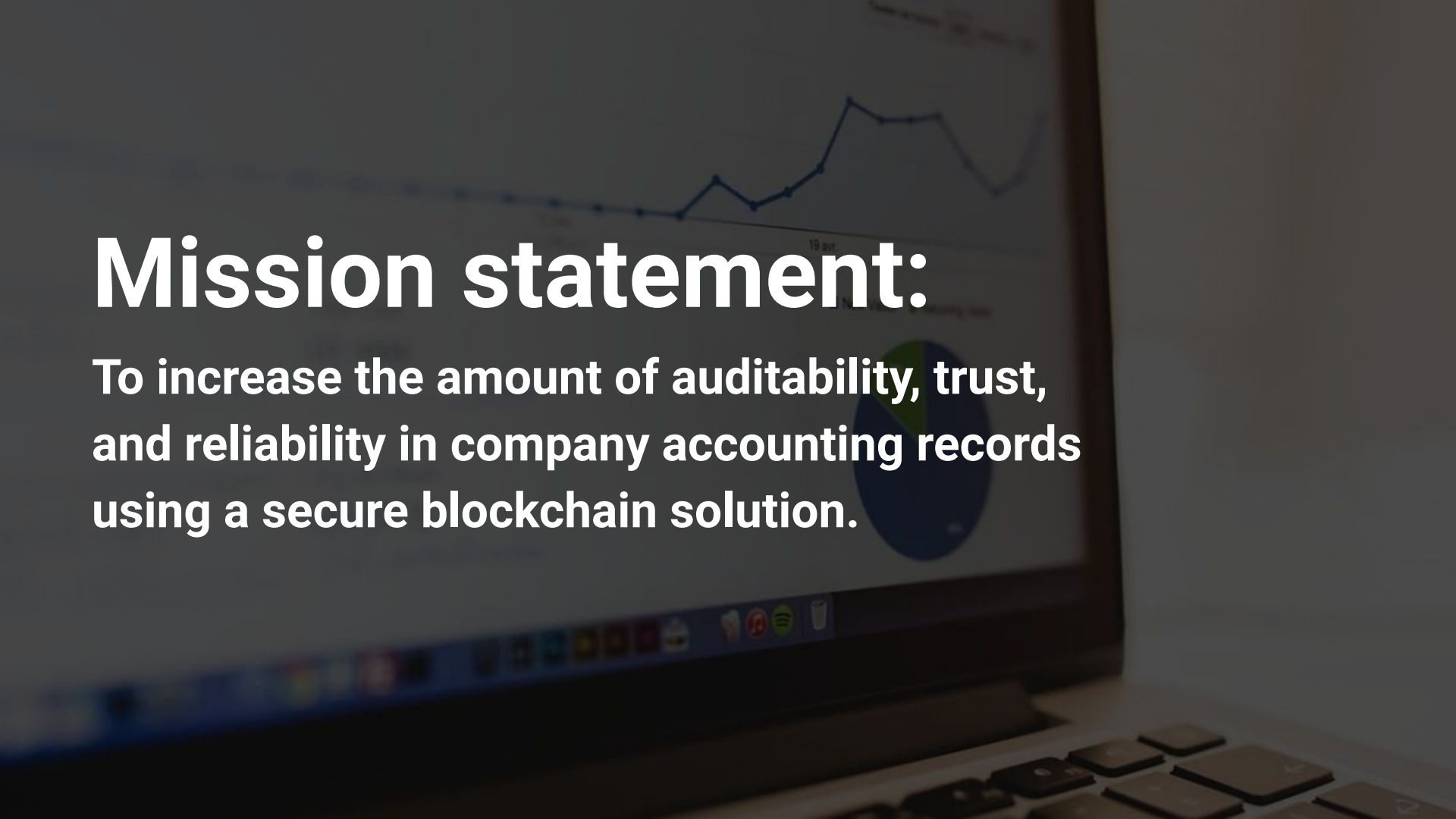


Mission statement:

To increase the amount of auditability, trust, and reliability in company accounting records using a secure blockchain solution.

The Problem

Managing cash-flow, expenses, payroll, and tax documents are challenging, especially for a small business.

Difficult to maintain transparency and accuracy for small business accounting records

Source: https://federalnewsnetwork.com/

Could a smart contract architecture have prevented this?

Our Solution

Use a secure blockchain and solidity smart contract environment to perform daily transactions on our small business accounting records.

Milestones

Java Chain development process 21 Nov - 8 Dec 2020

Project Day 1

-Developed project idea & mission statement

Project Day 2

-Began smart contract draft in Remix

Project Day 3

-Used JavaScript for front-end site & MetaMask integration

Project Day 4

-Integrated Truffle suite to run multiple smart contracts

Project Day 5

-Finalized presentation & Java Chain site

JavaChain Presentation

NOV

DEC

How it Works

Step 1

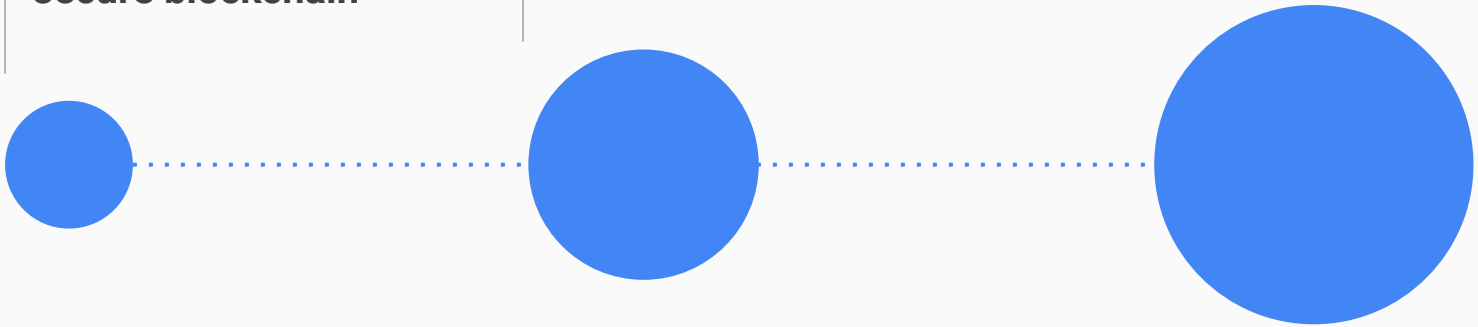
Deploy contract on secure blockchain

Step 2

Record accounting transactions

Step 3

Verify activity on the blockchain



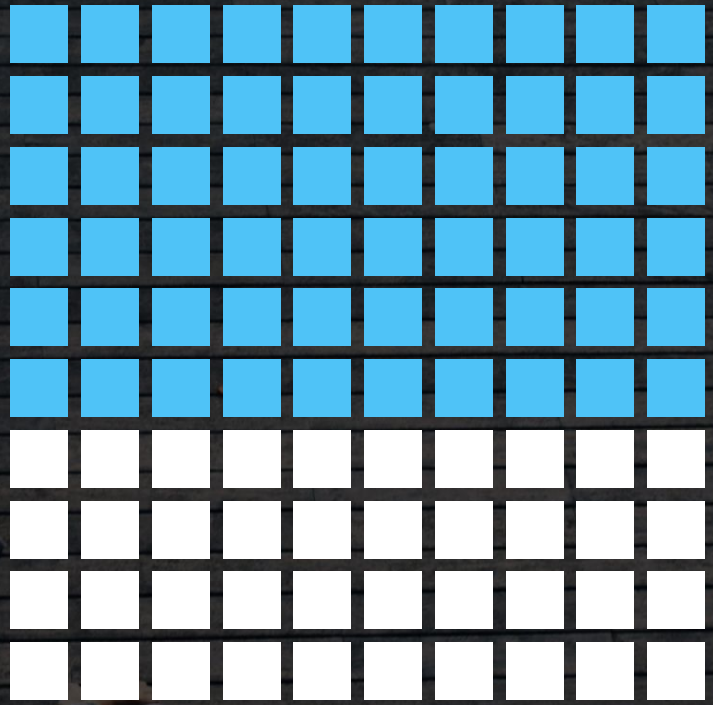
The Technology:

Solidity Smart Contracts on the Blockchain

Why now?

Blockchain technology has the potential to further revolutionize the accounting industry by enhancing **productivity, accuracy, data security, reducing maintenance expenses and reconciling ledgers.**

Organizations can record their transactions right into a decentralized ledger, forming an interlocking arrangement of abiding accounts and records.



Blockchain Accounting Software Benefits

- Built-in Auditing
- Reduced Fraud & Errors
- Enhanced Regulatory Compliance & Efficiency
- Easier Reconciliation
- Manage Ledger
- Superior Transparency
- Reliable Solutions
- Quick Transactions
- More Security
- Wallet Transactions

But Why Stop Here?

- **Truffle Suite:**
- **Truffle - Smart Contract**
- **Ganache - Local Server on local port**
- **Drizzle - Working front-end for your business online with Metamask**

- **Truffle Boxes:**
- **Out-of-the-box development**
- **Integration of your smart contract with Ganache & Drizzle - deployed via Metamask**

Future considerations for project expansion:

-Smart contract to interact with applicable tax policy and documentation

-Expand transaction contract to integrate real time transactions (customer purchases)

-Expanded transaction contract to accept wide variety of cryptocurrencies

-Expanded inventory management contract to output resupply notifications & integrated order/shipment tracking