Portofolio Interchain V2 /chain.co.id

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@2020

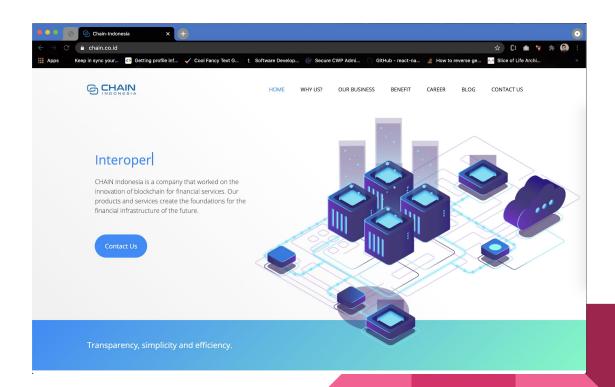
Landing Page

Programming Language:

Golang, HTML, CSS

Description:

Website company profile for Interchain



Admin Panel & Backend API

Programming Language:

- PHP
- VueJs

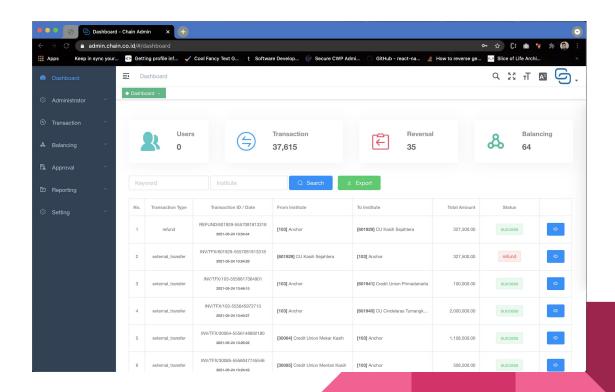
Framework:

- Laravel (laravue.dev)
- VueJs

Database:

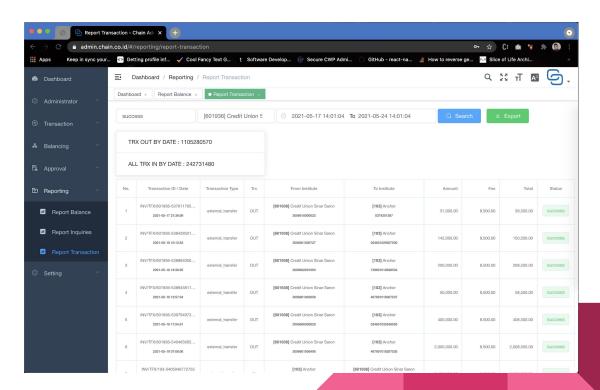
PostgreSQL

- Admin Panel for CURD, Monitoring and Reporting Transaction
- Backend API for receive request from Vendor and forward to Blockchain API



Admin Panel & Backend API

- Receive transaction status change from Blockchain API
- Use Websocket (socket.io) for auto refresh tables
- Module Deposit, TopUp and Redeem for blockchain token
- Upgrade system from V1



Blockchain API

Programming Language:

Python

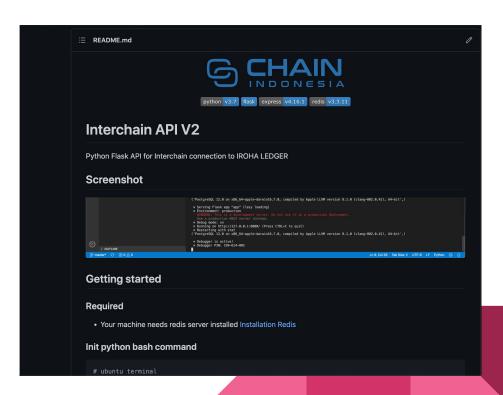
Framework:

Flask (Python web framework)

With:

- Redis
- Socket.IO
- Psycopg2

- Receive request transaction from Backend and send to Iroha Ledger
- Getting realtime transaction status from Iroha Ledger



Blockchain API

- Send Transaction status to Backend with API and broadcast notification to redis -> socket.io
- Available create account for transaction in Iroha Ledger

```
main.py ×
 1 from doteny import load doteny
       load dotenv()
      from app import create app, socketio
      from config import chainDB, psycopg2
      app = create_app(debug=True)
      if __name__ == '__main__':
                       app.run(host=os.getenv('APP_HOST', '127.0.0.1'), port=os.getenv('APP_PORT', '8080'))
               except (Exception, psycopg2.Error) as error :
TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE
                                                                                                                            indodax@MacBook-Pro-indodax interchain-blockchain-api % python3 -m venv .venv
indodax@MacBook-Pro-indodax interchain-blockchain-api % source .venv/bin/activate
(.venv) indodax@MacBook-Pro-indodax interchain-blockchain-api % python3 main.py
 * Serving Flask app "app" (lazy loading)
* Environment: production
  MANNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead,
 * Debug mode: on
 * Running on http://127.0.0.1:8080/ (Press CTRL+C to quit)
 * Restarting with stat
 * Debugger is active!
* Debugger PIN: 767-638-874
                                                                                             Ln 1, Col 1 Spaces: 4 UTF-8 LF Python ⊘ Prettier 🖗 🚨
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Hyperledger Iroha

Hyperledger Iroha is a general purpose permissioned blockchain system that can be used to manage digital assets, identity, and serialized data.

This can be useful for applications such as interbank settlement, central bank digital currencies, payment systems, national IDs, and logistics, among others.



Type: Distributed ledger software

Hyperledger Iroha is designed to be simple and easy to incorporate into infrastructural or IoT projects requiring distributed ledger technology. Hyperledger Iroha features a simple construction, modular, domain-driven C++ design, emphasis on client application development and a new, crash fault tolerant consensus algorithm, called YAC.

