

Smart Profile Application Authenticated by Blockchain

60% of job seekers quit in the middle of filling out online job applications because of their length or complexity.

30% of online applications don't have a response feature or automatic confirmation.

78% of candidates who applied for or received a job offer in the last six months admit they did or would consider misrepresenting themselves on their application.

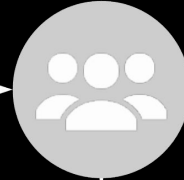
Recruiters can boost conversion rates by up to **365 %** by reducing the length of the application process to five minutes or less

Current Process of Online Job Application

APPLY
Apply to the Job Postings available on the Website



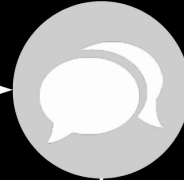
ASSESS
Teams will review all incoming applications.



PHONE SCREEN
If you meet the basic qualifications for the position, one of the recruiters will reach out to schedule a phone screening.



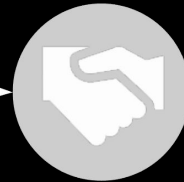
INTERVIEW
The next stage will be an in-person interview with the hiring managers and other members of the team.



TEST
Depending on the position you have applied for, one may be asked to submit samples of your work or take a skills test.



OFFER
After you have come in for an interview and/or submitted materials, or should expect a response from team in one to two weeks.



Struggles of the Current Recruitment System

- **Difficult to measure effectiveness**
- **It involves time, finances and other resources to set up effectively**
- **Could lead to lost Labour hours**
- **Employers may miss out on great Candidates**
- **Can lead to technical issues**
- **Identity Theft/ Fraudulent Applications**

BLOCKCHAIN

Decentralized database that keeps continuously updated digital records in real-time across a network of computers.

Ledger Technology

Immutability

Traceability

Cost Reduction

Transparency

Auditability

Security

Verifiability

Efficiency

FLO Blockchain

FLO is a cryptocurrency that introduces a worldwide public record for storing information.

One can attach a bit of data on the blockchain, up to 1040 bytes, to every transaction and store it permanently on the FLO network.

FLO is based on the Bitcoin (+ Litecoin) source code and is kept up-to-date with the latest cryptocurrency standards.

Purpose

Records of all the applicant's are maintained using Blockchain

Each Applicant's records are stored in blocks using their public keys

HR and Talent Acquisitions can submit their queries via APIs to access applicant's encrypted data

Applicants permit Job portals to access their job records by sharing their unique IDs

Business Outcomes

Streamlining payments, contracts in a organisation

Increased and improved security for data of employees and potential candidates.

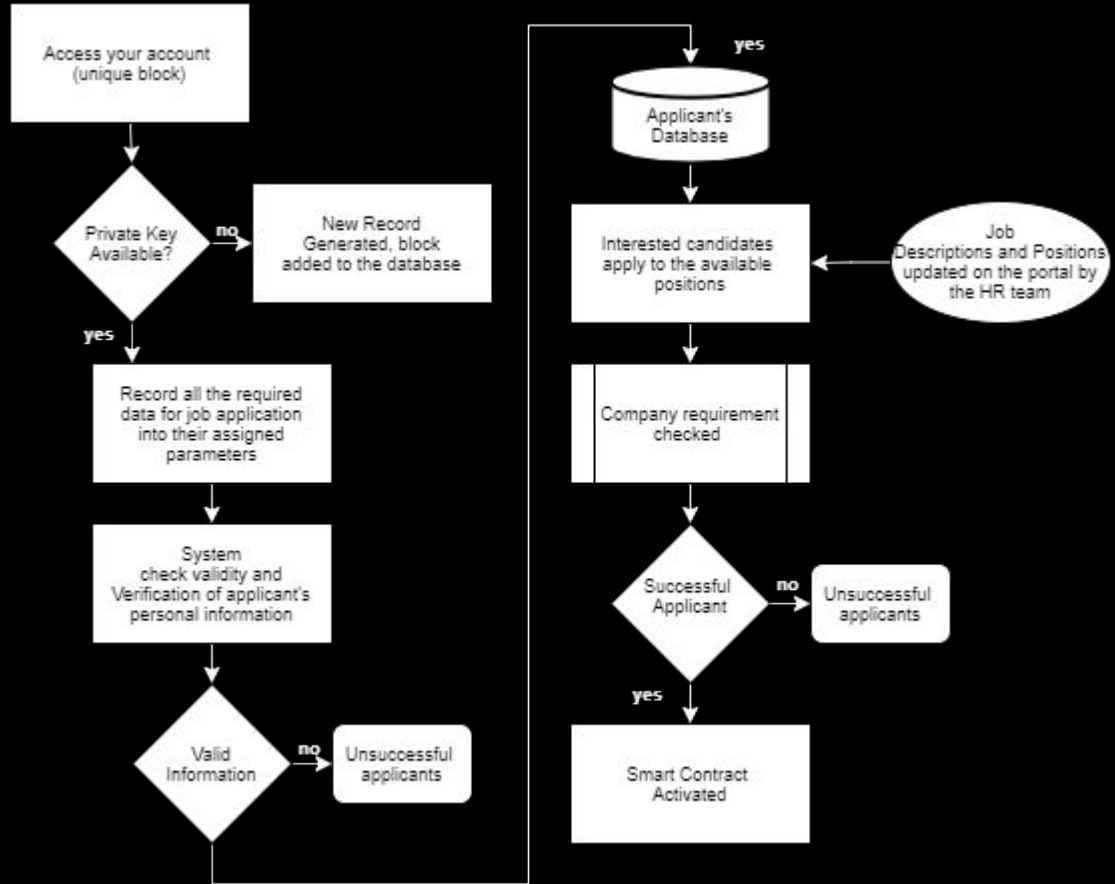
Increased adaptation of ethical data practices including transparency and decentralisation of ownership.

Protecting the organisations from external sanctions and reputational damage caused during wrong hirings.

Costs associated with a bad hire include lost money spent on training and the recruitment process, reduced productivity, internal investigations and disciplinary proceedings,.

Process Landscape

- Job Opportunities
- Profile
- Messenger
- Web Wallet
- Background Verification



Video Demo

The screenshot shows a web browser window with the address bar displaying the URL: `File | C:/Users/salon/Desktop/internapply-master/index.html#signin`. The browser tabs include 'Apps', 'Capstone - Google...', and 'Capstone - Google...'. The page content is a dark-themed 'SIGN IN' form. It features a 'FLO ID' field containing the text 'FNLZ3LR9u1SjogmyuDioGqjLms4ADurAGo' and a 'PRIVATE KEY' field containing 'REdbqunCmbpUvKBMoQ6TnwpD9JBjpXojFjixXSrjbRcbybpkAPK'. A 'COPY' button is located to the right of the private key field. Below the form, there are three lines of text: 'SAVE the private key securely now before leaving', 'NEVER lose your Private Key', and 'NEVER share your Private Key with anyone'. A mouse cursor is positioned over the text 'Losing your Private Key means losing all the accomplishments, data & money attached to your Internship ID. Private Key once lost can NEVER be recovered. Please store it safely.' The browser's taskbar is visible at the bottom, showing the system tray with icons for network, volume, and date (19:22, 20-10-2021).

< **SIGN IN**

FLO ID

FNLZ3LR9u1SjogmyuDioGqjLms4ADurAGo

PRIVATE KEY

REdbqunCmbpUvKBMoQ6TnwpD9JBjpXojFjixXSrjbRcbybpkAPK **COPY**

SAVE the private key securely now before leaving
NEVER lose your Private Key
NEVER share your Private Key with anyone

Losing your Private Key means losing all the accomplishments, data & money attached to your Internship ID. Private Key once lost can **NEVER** be recovered. Please store it safely.

<https://www.loom.com/share/4ccc7fe12d8746bca15c9a632f3f8e3f>

Standard Operations

CompactIDB

floCrypto

floBlockchainAPI

floGlobals

floCloudAPI

floSupernode

Standard Operations

CompactIDB

```
compactIDB.addData  
compactIDB.clearData  
compactIDB.dbName  
compactIDB.deleteDB  
compactIDB.initDB  
compactIDB.openDB  
compactIDB.readAllData  
compactIDB.readData  
compactIDB.removeData  
compactIDB.searchData  
compactIDB.setDefaultDB  
compactIDB.writeData
```

floBlockchainAPI

```
floBlockchainAPI.broadcastTx  
floBlockchainAPI.getBalance  
floBlockchainAPI.mergeUTXOs  
floBlockchainAPI.promisedAPI  
floBlockchainAPI.readAllTxS  
floBlockchainAPI.readData  
floBlockchainAPI.readTxS  
floBlockchainAPI.sendTx  
floBlockchainAPI.sendTxMultiple  
floBlockchainAPI.util  
floBlockchainAPI.writeData  
floBlockchainAPI.writeDataMultiple
```

Standard Operations

floCloudAPI

```
floCloudAPI.requestApplicationData  
floCloudAPI.requestGeneralData  
floCloudAPI.requestObjectData  
floCloudAPI.resetObjectData  
floCloudAPI.sendApplicationData  
floCloudAPI.sendGeneralData  
floCloudAPI.updateObjectData  
floCloudAPI.util
```

floCrypto

```
floCrypto.createShamirsSecretShares  
floCrypto.decryptData  
floCrypto.encryptData  
floCrypto.generateNewID  
floCrypto.getFloIDfromPubkeyHex  
floCrypto.getPubKeyHex  
floCrypto.randInt  
floCrypto.randString  
floCrypto.retrieveShamirSecret  
floCrypto.signData  
floCrypto.util  
floCrypto.validateAddr  
floCrypto.verifyPrevKey  
floCrypto.verifyShamirsSecret  
floCrypto.verifySign
```

Standard Operations

floGlobals

```
floGlobals.SNStorageID  
floGlobals.adminID  
floGlobals.apiURL  
floGlobals.appObjects  
floGlobals.application  
floGlobals.blockchain  
floGlobals.fee  
floGlobals.generalData  
floGlobals.generalVC  
floGlobals.sendAmt  
floGlobals.subAdmins  
floGlobals.supernodes  
floGlobals.vectorClock
```

floSupernode

```
floSupernode.kBucket  
floSupernode.requestData  
floSupernode.requestDataFromSN  
floSupernode.sendData  
floSupernode.sendDataToSN
```

Certificate Verification

Most Common form of resume fraud is when candidates alter information to fit into the Job Requirements.

Every block is identified by a common initial pattern, if an individual wishes to make changes he/she will have to change the entire series

Every Certificate on Blockchain can be identified by their incorporation id and unique address attached to it.

Use-Case scenarios of Blockchain verified certificates are expanding rapidly.

Certificate Verification



RIBC INTERNSHIP

— CERTIFICATE —

RanchiMall, a blockchain incorporated entity certifies that

RITIKA AGRAWAL

FLO ID FFaB6NIETZsykXVS2PdM5xhj5BBBoqsfsXC

Worked as an intern on a project for RanchiMall from 2nd January 2021 to 21st July 2021:

"UI for RanchiMall Standard Operations floCloudAPI for FLO Blockchain"

She created a UI for all the floCloudAPI JavaScript Standard Operations by RanchiMall from scratch and hosted it on GitHub. Her performance was very good under the guidance of the RIBC team of RanchiMall.



Verify this certificate on the FLO Blockchain.

Issue Date
September 12, 2021

CERTIFICATE ISSUER
FFCpiaZi3ITpbYw5q5VNk8qIMeDITLgsrE

FLO INCORPORATION ID
FKNW5eCCp2SnJM6pLLpUCvk5hAage8Jtk

Certificate Verification

⊕ F7cef19bbcf568ac43ab1c56c859150e5b133df60267f44810b206a558587cb ⓘ mined Sep 12, 2021 8:24:41 PM

FFCpiaZi31TpbYw5q5VNk8qJMeDiTLgsrE	1.99518 FLO	➤	FKNW5eCCp2SnJMJ6pLLpUCvk5hAage8Jtk	0.001 FLO (U)
			FFCpiaZi31TpbYw5q5VNk8qJMeDiTLgsrE	1.99368 FLO (U)

FEE: 0.0005 FLO

75468 CONFIRMATIONS 1.99468 FLO

FloData: CERTIFICATE OF INTERNSHIP RanchiMall, a blockchain incorporated entity certifies that Ritika Agrawal FLO ID FFaB6N1ETZsykXVS2PdM5xhj5BBoqsfXC worked as an intern on a project for RanchiMall from 2nd January 2021 to 21st July 2021 "UI for RanchiMall Standard Operations floCloudAPI for FLO Blockchain". She created a UI for all the floCloudAPI JavaScript Standard Operations by RanchiMall from scratch and hosted it on GitHub. Her performance was very good under the guidance of the RIBC team of RanchiMall. ⓘ



Verified

This is a genuine certificate issued by RanchiMall

[View on blockchain](#)

CERTIFICATE OF INTERNSHIP

Issued: Sep 13, 2021

RanchiMall, a blockchain incorporated entity certifies that Ritika Agrawal FLO ID *FFaB6N1ETZsykXVS2PdM5xhj5BBoqsfXC* worked as an intern on a project for RanchiMall from 2nd January 2021 to 21st July 2021 "UI for RanchiMall Standard Operations floCloudAPI for FLO Blockchain". She created a UI for all the floCloudAPI JavaScript Standard Operations by RanchiMall from scratch and hosted it on GitHub. Her performance was very good under the guidance of the RIBC team of RanchiMall.

Smart Contracts & Blockchain Contracts

The computer codes that automatically executes all or parts of an agreement and are stored on a **blockchain-based platform**

They are useful when additional conditions are attached to payments and everyone gets the assurance that payments will be made **exactly as per the conditions**

Smart Contracts with human intervention at the most-critical point is termed as **Blockchain Contract.**

It gets the full benefit of **machine speeds** and **fraud-resistance of human judgement.**

Crypto Tokens

It represents a tradable asset or utility that resides on its own blockchain and allows the holder to use it for investment or economic purposes.

Crypto tokens can be used to represent an investor's stake in the company or they can be used for an economic purpose, just like legal tender.

They can use them for trading, to hold as a store of value, and, of course, to use as a form of currency.

Tokens that reside on blockchains include reward tokens, currency tokens, utility tokens, security tokens, and asset tokens.

Token creation and transfer system

Enter FLO data

create 10 trillion newtoken#

Passed!

Type

Incorporation

Token name

newtoken

Incorporation amount

10000000000000

Original FLO data

create 10 trillion newtoken#

Go Back

Enter FLO data

send 50 newtoken# to abc

Passed!

Type

Transfer

Token name

newtoken

Transfer amount

50

Original FLO data

send 50 newtoken# to abc

Go Back

Smart Contract

- **Token Creation**
- Smart Contract Creation
- Smart Contract Transfer

Available balance

4.9995 FLO(s)

To send FLO data, make sure you have enough balance.

FLO address
oao14k1Y2dbiM6kYRhw36 [Check balance](#)

Receiver's address
oao14k1Y2dbiM6kYRhw36nQ3GKUeebw495

Amount
0.000001

FLO data
Create 10 Million Tokens with LONEY#

1004/1040

Send

Smart Contract

- Token Creation
- **Smart Contract Creation**
- Smart Contract Transfer

Available balance

4.9995 FLO(s)

To send FLO data, make sure you have enough balance.

FLO address
oao14k1Y2dbiM6kYRhw36 [Check balance](#)

Receiver's address
oKlJuDB3B7VcBiKJeMfVgNTqEPw7oqi9J

Amount
0.001

FLO data
create smart contract applicant-selection@ of one-time-event* type at the address oKlJuDB3B7VcBiKJeMfVgNTqEPw7oqi9J\$ using asset \ LONEY# with contract-conditions:(1)expirytime = sat oct 15 2021 10:21:00 UTC(2)contractamount=0.001LONEY(3)userchoices=Applicant-Selected|Applicant Not Selected (4)maximumsubscriptionamount=1(5)minimumsubscriptionamount=0.0*

694/1040

Send

Smart Contract

- Token Creation
- Smart Contract Creation
- **Smart Contract Transfer**

Available balance

4.9995 FLO(s)

To send FLO data, make sure you have enough balance.

FLO address
oao14k1Y2dbiM6kYRhw36 [Check balance](#)

Receiver's address
oN1wMmPc5hk2HeHHWE3ismtK8a6k7JKfSd

Amount
0.001

FLO data
transfer 0.001 FLO# to applicant-selection@ as one-time-event* with oN1wMmPc5hk2HeHHWE3ismtK8a6k7JKfSd\$ and userChoice: Applicant-Selected

902/1040

Send

Automated HR Chatbot to ensure background verifications from previous employers.

Future Scope

To ensure **continuous processing**, new updates to the profile should be added seamlessly.

THANK YOU

This project was done in partnership with Ranchi Mall, a blockchain registered enterprise