

Chainfaas



Under **Dr. Bheemappa Halavar**
Project Code - **B21BH01**

BTP EVALUATION

What is our Goal for BTP?



— There are 3 things:

BLOCKCHAIN PEER

Responsible for keeping track of the transactions on the platform.

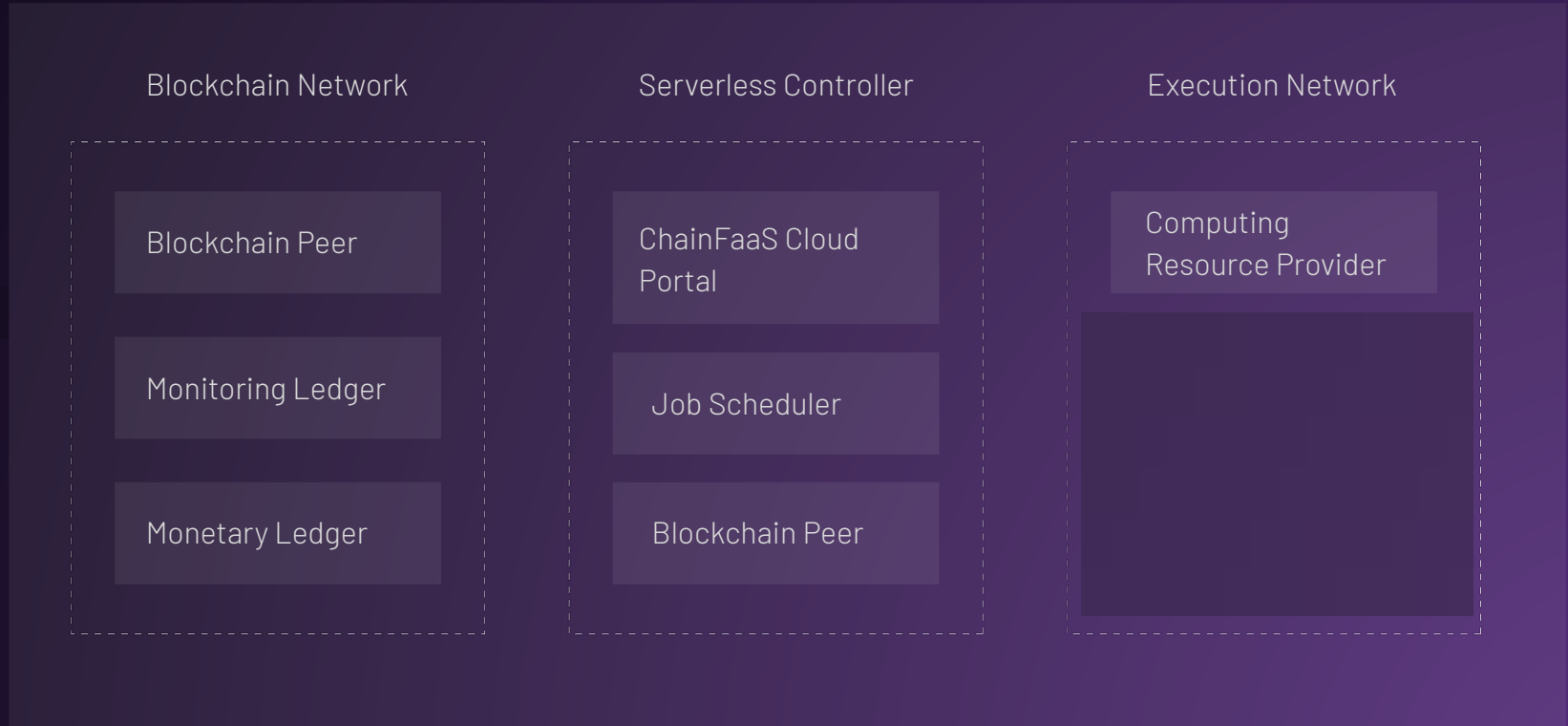
SERVERLESS CONTROLLERS

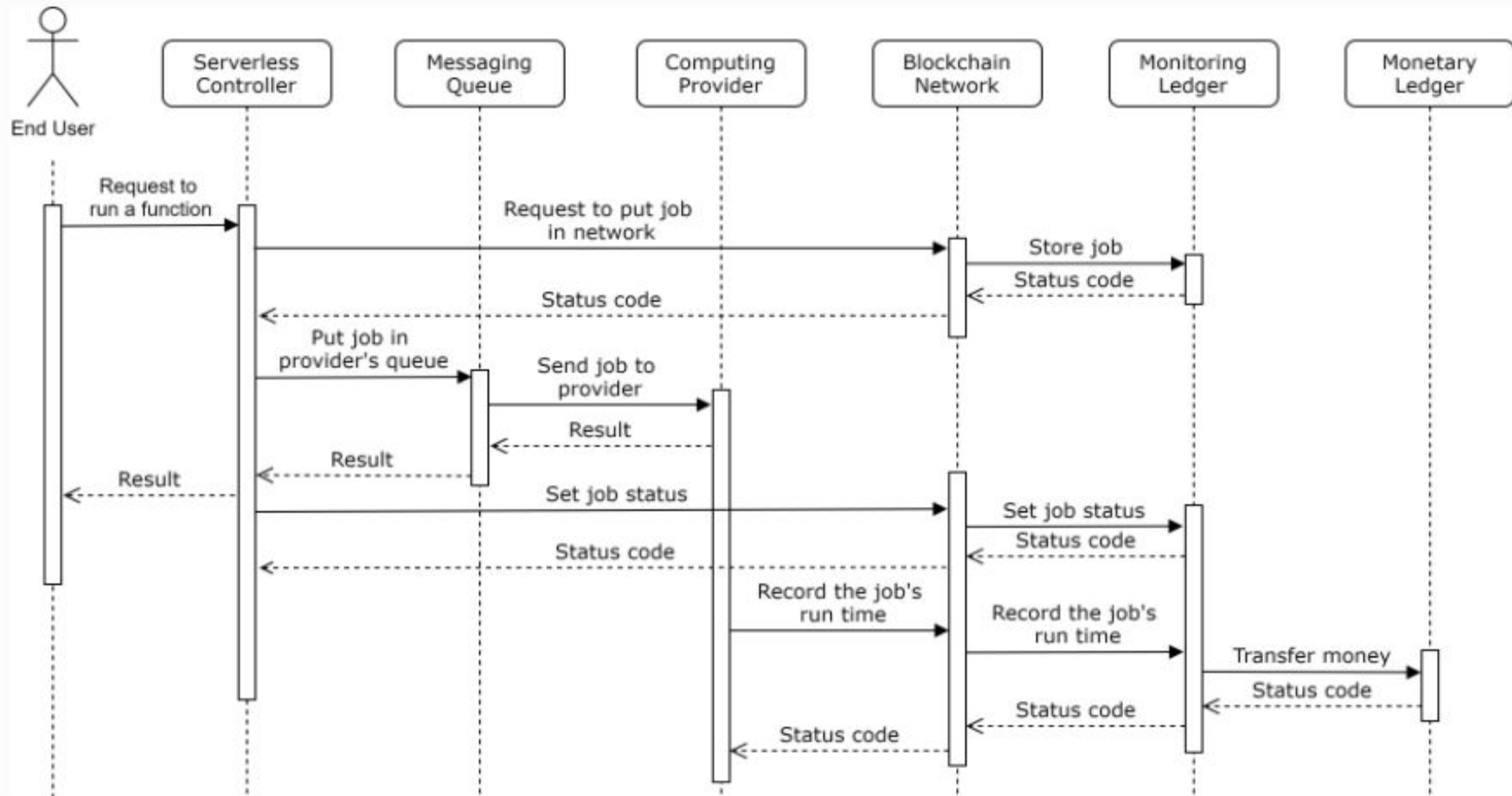
It manages the cloud portal and job scheduling tasks.

EXECUTION NETWORK

It consists of all computing resource providers.

High Level Architecture of ChainFaas





Progress bar for each component

Blockchain Network

Blockchain Peer

Monitoring Ledger

Monetary Ledger

Serverless Controller

ChainFaaS Cloud
Portal

Job Scheduler

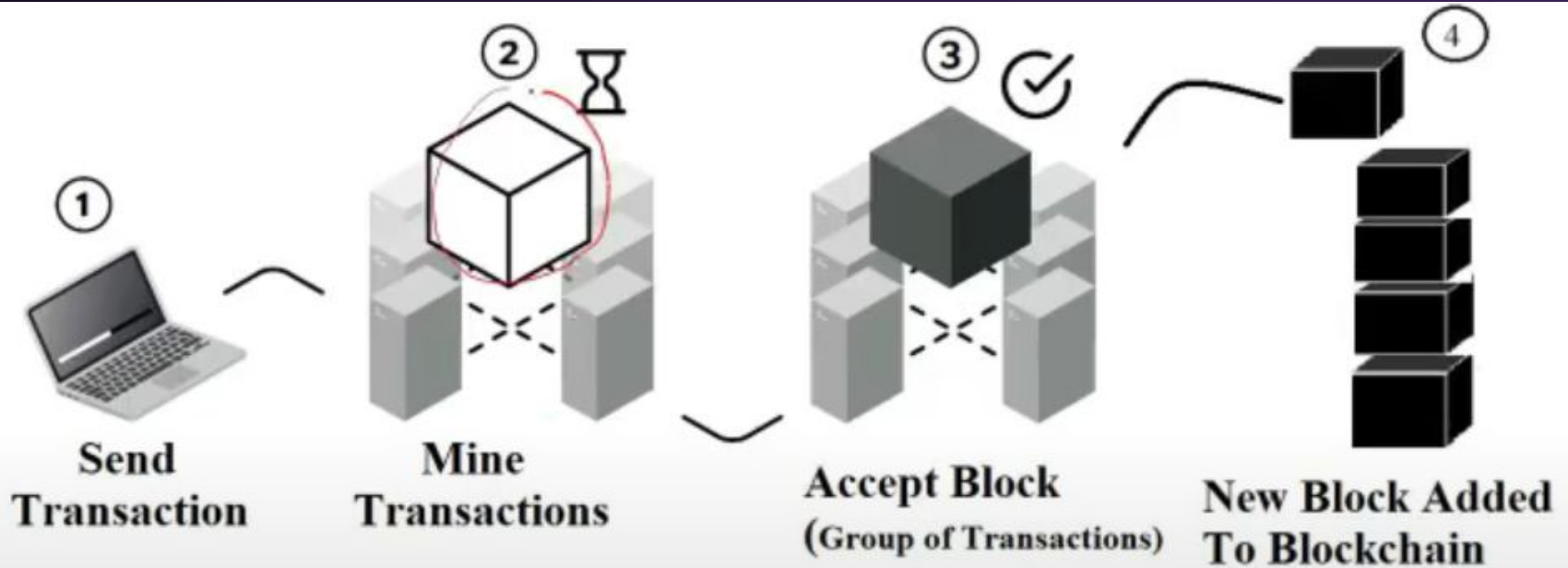
Blockchain Peer

Execution Network

Computing
Resource Provider

Let's Understand Step by step: — **Concept and Contribution**





Wallet Generator

Generate Wallet

SUCCESSFULLY GENERATED KEYS!!

Public Key:

```
30819f300d06092a864886f70d010101050003818d0030818902818100b7d011da19b20819afdca9e5b594ab6a96f3c91a6684e7d8522744cde6e4162d4476d43426cce644f362c911e52aa6eda08b795af2a71e8e747bf65d8fcac93f45c09fde37cab5e00654b4b57f69c02d1d1d2e1ce35fcd554ed810bb4fa3ec5a75cbe4a22a37285f51d0eae87c0b50ec9e9d7edf3aaae4025bdb387dbbeafe8f0203010001
```

Private Key:

```
3082025c02010002818100b7d011da19b20819afdca9e5b594ab6a96f3c91a6684e7d8522744cde6e4162d4476d43426cce644f362c911e52aa6eda08b795af2a71e8e747bf65d8fcac93f45c09fde37cab5e00654b4b57f69c02d1d1d2e1ce35fcd554ed810bb4fa3ec5a75cbe4a22a37285f51d0eae87c0b50ec9e9d7edf3aaae4025bdb387dbbeafe8f020301000102818057cf6277da869e30073f573a918030537f417ef4c9bcfc34ef2a2b4861e0dc674ba9a8be313af9563f1f1607227f39b793568de6d0bcdd70185d8fd82a7529a5ed0d814dbbcace22abecf28479a54c48a2d95fffee4cf303df2df85f6b2d5a79833fc9f0936c68b6e01f914be71af93b53a1f6
```

Send Coins

Enter transaction details and click on "Generate Transaction" button to generate your transaction

Sender

Address:

Sender Private

Key:

Recipient

Address:

Amount to

Send:

[Generate Transaction](#)

Transactions to be added to the next block

Show entriesSearch:

#	Recipient Address	Sender Address	Value
No data available in table			

Showing 0 to 0 of 0 entries

[Previous](#)[Next](#)[Mine](#)

Transactions on the Blockchain

Show entriesSearch:

#	Recipient Address	Sender Address	Value	Timestamp	Block
1	Aman	30819f300d06092a864886f7...	1000	May 10, 2021, 12:23:33 PM	2
2	d7dae7d231d544bfab7d4641...	BTP_PROJECT	1	May 10, 2021, 12:23:33 PM	2
3	d7dae7d231d544bfab7d4641...	BTP_PROJECT	1	May 10, 2021, 12:23:55 PM	3

Block

Block:

1

Nonce:

72608

Data:**Hash:**

0000f727854b50bb95c054b39c1fe5c92e5ebcfa4bcb5dc279f56aa96a365e5a

Mine

ChainFaas

The untapped computational power of the current computers as a serverless platform.

[Use Resource](#)

[Become a Provider](#)



Sign up

SIGN UP

Or Sign up with social platforms



One of us ?

Lorem ipsum dolor sit amet consectetur adipisicing elit. Nostrum laboriosam ad deleniti.

SIGN IN

TIMELINE FOR FUTURE WORK

Model Chainfaas portal on localhost with better user interface.

1st

2nd

3rd

4TH

Integrate everything. And make a PR on github to chainfaas

Implement job scheduler algorithm

Deploying it on AWS

— ABOUT TEAM

Akhil Sourav

S20180010007

GROUP LEADER

Aman Shrivastava

S20180010010

Pavan Nayak

S20180010093

Nanda Vardhan

S20180010012

— REFERENCES

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3. P. Dharmapala, L. Koneshvaran, D. Sivasooriyathevan, I. Ismail, and D. Kasthurirathna, “Peer-to-peer distributed computing framework,” in *2017 6th National Conference on Technology and Management (NCTM)*, pp. 126–131, IEEE, 2017
4. R. Yang, F. R. Yu, P. Si, Z. Yang, and Y. Zhang, “Integrated blockchain and edge computing systems: A survey, some research issues and challenges,” *IEEE Communications Surveys & Tutorials*, vol. 21, no. 2, pp. 1508–1532, 2019.
5. Few used images are from the slides of cryptography course (IIITS)

TIME FOR DEMO !!