CLAIMS

1. A computer-implemented method, comprising:

receiving, by a resource platform from a resource provider user of the resource platform, a matching request to match the resource provider user to a resource requester user of a plurality of resource requester users of the resource platform;

generating, by the resource platform, matching information associated with the matching request for matching a resource between the resource provider user and the resource requester user;

transmitting, by the resource platform to the resource provider user, the matching information associated with the matching request;

broadcasting, by the resource provider user, the matching information to a plurality of second user devices of a plurality of second users of the resource platform;

querying, by each of the plurality of second user devices, a block chain maintained by the resource platform to obtain verification information associated with the matching request;

performing, by the plurality of second user devices of the plurality of second users of the resource platform, a decentralized verification process on the queried verification information associated with the matching request to generate one or more verification results associated with the matching request for matching the resource between the resource provider user and the resource requester user;

receiving, by the resource platform from the plurality of second user devices, respective verification results generated by the plurality of second user devices performing the decentralized verification process for the matching request;

before initiating a resource transfer, determining, by the resource platform, whether the matching information for the matching request has been verified by the plurality of second user devices of the plurality of second users of the resource platform based on the respective verification results generated by the plurality of second user devices performing the decentralized verification process for the matching request; and

if and only if the matching information for the matching request has been verified based on the respective verification results generated by the plurality of second user devices of the plurality of second users of the resource platform, performing, by the resource platform, the resource transfer between respective accounts of the resource provider user and the resource requester user of the resource platform.

2. The computer-implemented method of claim 1, wherein the matching information includes user information of one or more of the resource provider user and the resource requester user.

3. The computer-implemented method of claim 2, wherein the verification information associated with the matching request comprises historical resource matching data maintained, by the resource platform in blocks of the block chain in a chronological order.

4. The computer-implemented method of claim 3, further comprising updating, by the resource platform, the historical resource matching data to include resource transfer information of the resource transfer.

5. The computer-implemented method of claim 4, wherein updating the historical resource matching data comprises:

determining whether a last block in the block chain is available to store the resource transfer information of the resource transfer between the resource provider user and the resource requester user;

in response to determining that the last block is available, storing the resource transfer information of the resource transfer in the last block; and

in response to determining that the last block in not available:

creating a new block in the block chain, wherein the new block becomes the last block in the block chain; and

storing the resource transfer information of the resource transfer in the new block.

6. The computer-implemented method of claim 1, wherein the resource platform is a cloud computing platform and the resource comprises computer processing time.

7. A non-transitory, computer-readable medium storing one or more instructions executable by a computer system to perform operations comprising:

receiving, by a resource platform from a resource provider user of the resource platform, a matching request to match the resource provider user to a resource requester user of a plurality of resource requester users of the resource platform;

generating, by the resource platform, matching information associated with the matching request for matching a resource between the resource provider user and the

resource requester user;

transmitting, by the resource platform to the resource provider user, the matching information associated with the matching request;

broadcasting, by the resource provider user, the matching information to a plurality of second user devices of a plurality of second users of the resource platform;

querying, by each of the plurality of second user devices, a block chain maintained by the resource platform to obtain verification information associated with the matching request;

performing, by the plurality of second user devices of the plurality of second users of the resource platform, a decentralized verification process on the queried verification information associated with the matching request to generate one or more verification results associated with the matching request for matching the resource between the resource provider user and the resource requester user;

receiving, by the resource platform from the plurality of second user devices, respective verification results generated by the plurality of second user devices performing the decentralized verification process for the matching request;

before initiating a resource transfer, determining, by the resource platform, whether the matching information for the matching request has been verified by the plurality of second user devices of the plurality of second users of the resource platform based on the respective verification results generated by the plurality of second user devices performing the decentralized verification process for the matching request; and

if and only if the matching information for the matching request has been verified based on the respective verification results generated by the plurality of second user devices of the plurality of second users of the resource platform, performing, by the resource platform, the resource transfer between respective accounts of the resource provider user and the resource requester user of the resource platform.

8. The non-transitory, computer-readable medium of claim 7, wherein the matching information includes user information of one or more of the resource provider user and the resource requester user.

9. The non-transitory, computer-readable medium of claim 8, wherein the verification information associated with the matching request comprises historical resource matching data maintained, by the resource platform in blocks of the block chain in a chronological order.

10. The non-transitory, computer-readable medium of claim 9, the operations further comprising updating, by the resource platform, the historical resource matching data to include resource transfer information of the resource transfer.

11. The non-transitory, computer-readable medium of claim 10, wherein updating the historical resource matching data comprises:

determining whether a last block in the block chain is available to store the resource transfer information of the resource transfer between the resource provider user and the resource requester user;

in response to determining that the last block is available, storing the resource transfer information of the resource transfer in the last block; and

in response to determining that the last block in not available:

creating a new block in the block chain, wherein the new block becomes the last block in the block chain; and

storing the resource transfer information of the resource transfer in the new block.

12. The non-transitory, computer-readable medium of claim 7, wherein the resource platform is a cloud computing platform and the resource comprises computer processing time.

13. A computer-implemented system, comprising:

one or more computers; and

one or more computer memory devices coupled with the one or more computers and having tangible, non-transitory, machine-readable media storing one or more instructions that, when executed by the one or more computers, perform one or more operations comprising:

receiving, by a resource platform from a resource provider user of the resource platform, a matching request to match the resource provider user to a resource requester user of a plurality of resource requester users of the resource platform;

generating, by the resource platform, matching information associated with the matching request for matching a resource between the resource provider user and the resource requester user;

transmitting, by the resource platform to the resource provider user, the

matching information associated with the matching request;

broadcasting, by the resource provider user, the matching information to a plurality of second user devices of a plurality of second users of the resource platform;

querying, by each of the plurality of second user devices, a block chain maintained by the resource platform to obtain verification information associated with the matching request;

performing, by the plurality of second user devices of the plurality of second users of the resource platform, a decentralized verification process on the queried verification information associated with the matching request to generate one or more verification results associated with the matching request for matching the resource between the resource provider user and the resource requester user;

receiving, by the resource platform from the plurality of second user devices, respective verification results generated by the plurality of second user devices performing the decentralized verification process for the matching request;

before initiating a resource transfer, determining, by the resource platform, whether the matching information for the matching request has been verified by the plurality of second user devices of the plurality of second users of the resource platform based on the respective verification results generated by the plurality of second user devices performing the decentralized verification process for the matching request; and

if and only if the matching information for the matching request has been verified based on the respective verification results generated by the plurality of second user devices of the plurality of second users of the resource platform, performing, by the resource platform, the resource transfer between respective accounts of the resource provider user and the resource requester user of the resource platform.

14. The computer-implemented system of claim 13, wherein the matching information includes user information of one or more of the resource provider user and the resource requester user.

15. The computer-implemented system of claim 14, wherein the verification information associated with the matching request comprises historical resource matching data maintained, by the resource platform in blocks of the block chain in a chronological order.

16. The computer-implemented system of claim 15, the operations further comprising updating, by the resource platform, the historical resource matching data to include resource transfer information of the resource transfer.

17. The computer-implemented system of claim 16, wherein updating the historical resource matching data comprises:

determining whether a last block in the block chain is available to store the resource transfer information of the resource transfer between the resource provider user and the resource requester user;

in response to determining that the last block is available, storing the resource transfer information of the resource transfer in the last block; and

in response to determining that the last block in not available:

creating a new block in the block chain, wherein the new block becomes the last block in the block chain; and

storing the resource transfer information of the resource transfer in the new block.

18. The computer-implemented system of claim 13, wherein the resource platform is a cloud computing platform and the resource comprises computer processing time.