CLAIMS

What is claimed is:

1. A data processing method, comprising:

obtaining, by a blockchain node comprising two threads, a validation ready preprocessing block, the blockchain node pre-configuring a processor to perform an operation involved in a service submission stage (S101);

validating, by the blockchain node, the preprocessing block during a service consensus stage using a first thread of the two threads (S101); and

if it is determined that the preprocessing block is validated, determining a consensus parameter corresponding to the preprocessing block, obtaining, based on the determined consensus parameter corresponding to the preprocessing block, a consensus parameter corresponding to a next adjacent validation ready preprocessing block, wherein the consensus parameter is used to instruct the blockchain node to validate the validation ready preprocessing block, and starting to validate, by the blockchain node, the next adjacent validation ready preprocessing block by using the first thread (S102), and

performing, by the blockchain node, data processing on service data in the validated preprocessing block during the service submission stage by using the second thread in parallel with the service consensus stage (S102).

2. The method of claim 1, wherein the performing data processing on service data in the validated preprocessing block in parallel specifically comprises:

performing data processing on the service data in the validated preprocessing block in parallel by using a predetermined processor.

3. The method of claim 2, wherein the performing data processing on the service data in the validated preprocessing block by using a predetermined processor specifically comprises:

for the validated preprocessing block, performing the following operations:

invoking a processor to obtain a storage parameter, wherein the storage parameter comprises a storage location; and

determining, based on the storage parameter, a process ready preprocessing block corresponding to the storage parameter, and storing service data of the determined process ready preprocessing block in the storage location.

4. The method of any one of claims 1 to 3, wherein the method further comprises:

after it is determined that the preprocessing block is validated, determining, based on the preprocessing block and the storage parameter of the preprocessing block, a storage parameter of a next adjacent validation ready preprocessing block, and storing the storage parameter of the next adjacent validation ready preprocessing block.

5. The method of claim 4, wherein the storing the storage parameter of the next adjacent validation ready preprocessing block specifically comprises:

storing the storage parameter of the next adjacent validation ready preprocessing block in a first in first out (FIFO) queue.

6. The method of claim 5, wherein the invoking a processor to obtain a storage parameter specifically comprises:

invoking the processor to obtain the storage parameter from the FIFO queue.

7. The method of claim 1, wherein the starting to validate a next validation ready preprocessing block comprises:

when the consensus parameter corresponding to the next adjacent validation ready preprocessing block is obtained, starting, based on the obtained consensus parameter, to validate the next adjacent validation ready preprocessing block.

8. An apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 7.