Autocomplete system
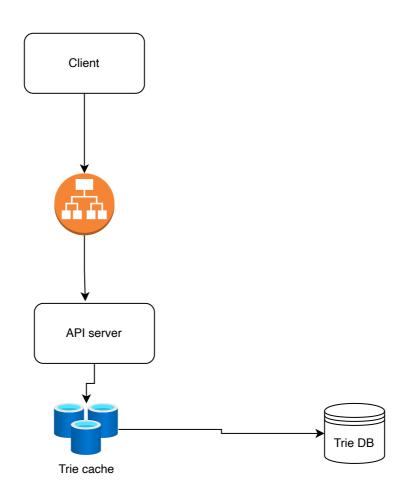
Data Aggregation

-Logging system
-Aggregator
-Workers
-trie data structure
-cache

Data retrieval

-autocompletion

HLD-1

```
Client
```

```
API server
```

Trie cache

Trie DB

LLD(Trie data structure)

Cached data

bee:10, bat:20, ba:12, be:5, b:15

b, 15

t

w

be, 5

ba, 12

tw

bee, 10

bat, 20