



#3 Creating a web3 Based Wallet

Context

keccak-256

Frontend vs Backend, HTTP servers

RPC, JSON-RPC

Wei, Lamports

RPC servers

Common RPC calls on solana

Common RPC calls on ETH

Creating a web based wallet

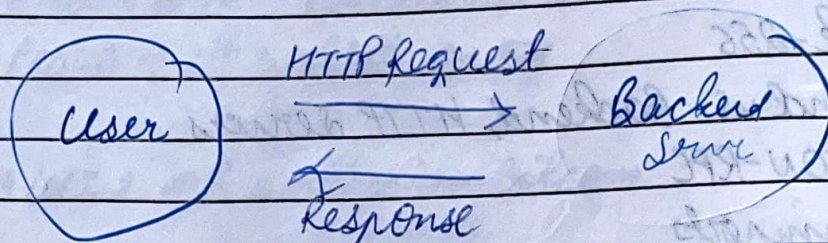
Keccak-256

solana - 44

Ethereum - 20

generate() \rightarrow publicKey $\xrightarrow{\text{sha256}}$ 32 Byte string
 } last 20 Bytes
 (820 bytes)

Frontend v/s Backend, HTTP servers



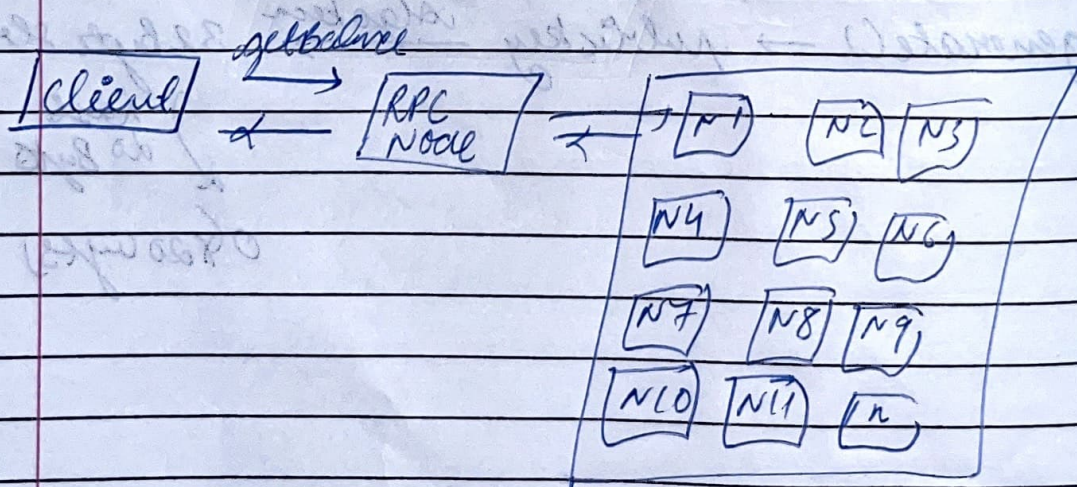
JSON Data

POSTMAN

G

JSON rpc \rightarrow remote procedure call

RPC server



Alchemy



Common RPK calls on solana

wei, lamports

Financial App doesnot store in decimals

$0.1 \text{ ETH} \neq 10^{15} \text{ wei}$

$\$100.1 \neq 10001 \text{ pennies}$

$\text{Rs } 100.1 \neq 10010 \text{ paise}$

wei

Wallet Balance \rightarrow one more feature

