

# Python & Bitcoin

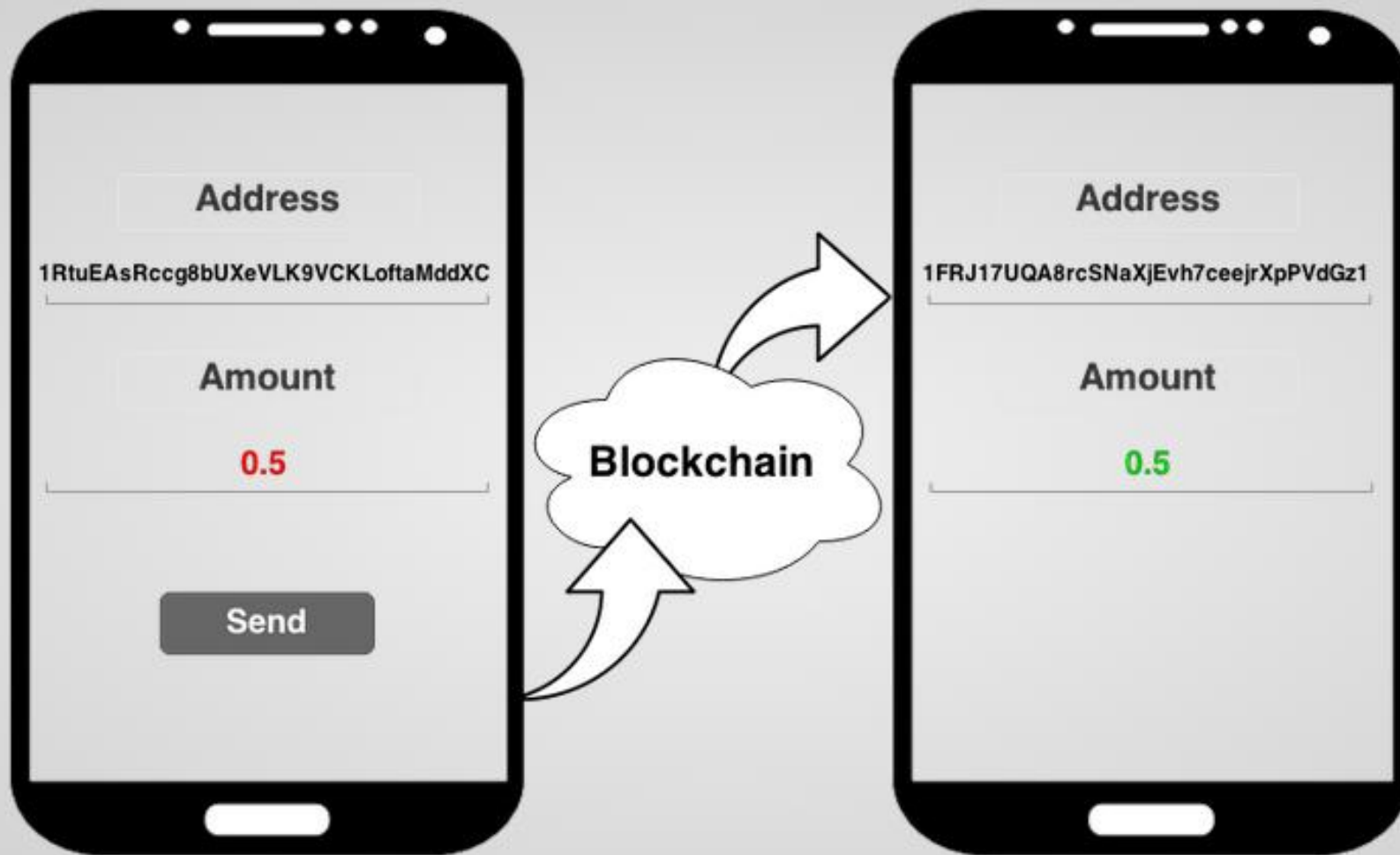
@nachomartineza  
developer @ bitpagos.com



# Bitcoin hmmm...

- Digital
- Decentralized
- Low fees
- Open source

# Bitcoin: how it works?



# Bitcoin: how to start?

- Get a private key
- Generate a public key
- Express the public key  
in base58 (address!)
- Load your private  
key in any wallet (SPV preferred)
- Get some BTC!

# Bitcoin: private... public...

"Elliptic Curve Digital  
Signature Algorithm"

A function based  
on a elliptic curve

point  
x integer  
——  
point



ECDSA  
keypar

"secp256k1"

Generator \* Private = Public

# Bitcoin & Python

Lets generate a nice pair of....





# Bitcoin & Python

Private Key

727594661000643970739527770524244743345197359462220

Public Key compressed

0336c80d18136956c151067744899a6351240ce0a0d3a1c59e6

Address

1HLsyAHiYxKwNHqc5WwJiMSVTJqLyUBZAe

