ACCEPTING AND SPENDING BITCOINS IN DJANGO

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LocalBitcoins.com

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FORWARD
VIINA
SAID THE GRANDMA IN THE SNOW

WHY BITCOIN?

Bitcoin is now mature

Bitcoin is money with API

No paperwork

Free from chargeback fraud

Very low fees

DJANGO-BITCOIN

github.com/kangasbros/django-bitcoin

bitcoin

github.com/miohtama/django-bitcoin-example

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PREREQUISITEMENTS

bitcoind

Memcached

Djangoleiro / Djangoleira

CREATING A WALLET

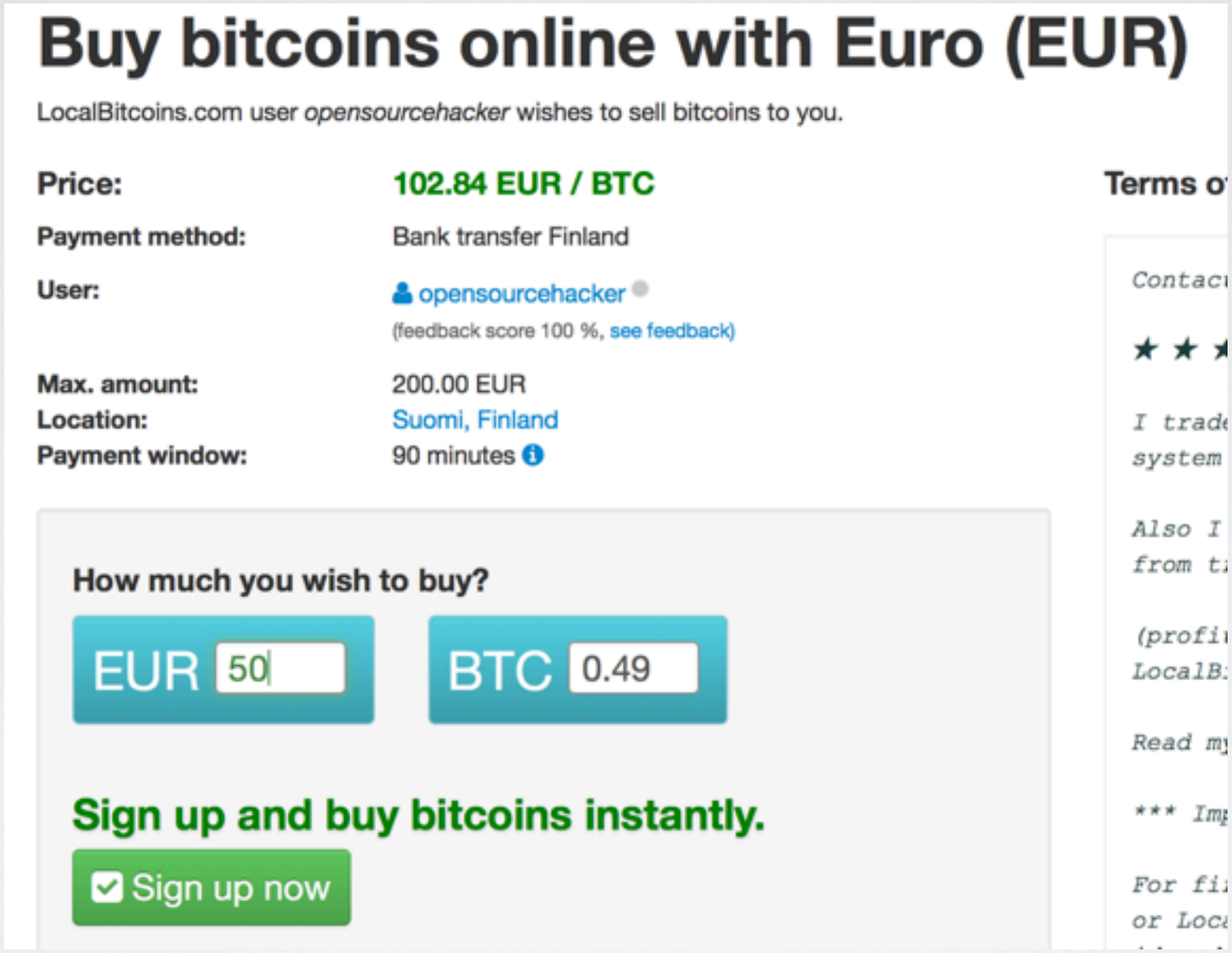
PYTHON MANAGE.PY SHELL_PLUS

```
In [1]: master_wallet, created = Wallet.objects.get_or_create(label="master_wallet")

In [2]: recv_address = master_wallet.receiving_address(fresh_addr=False)

In [3]: print recv_address
19Ms9LtcqAJ1u436e9kjnyzkkLy18EQuBY
```

BUY SOME TEST BITCOINS



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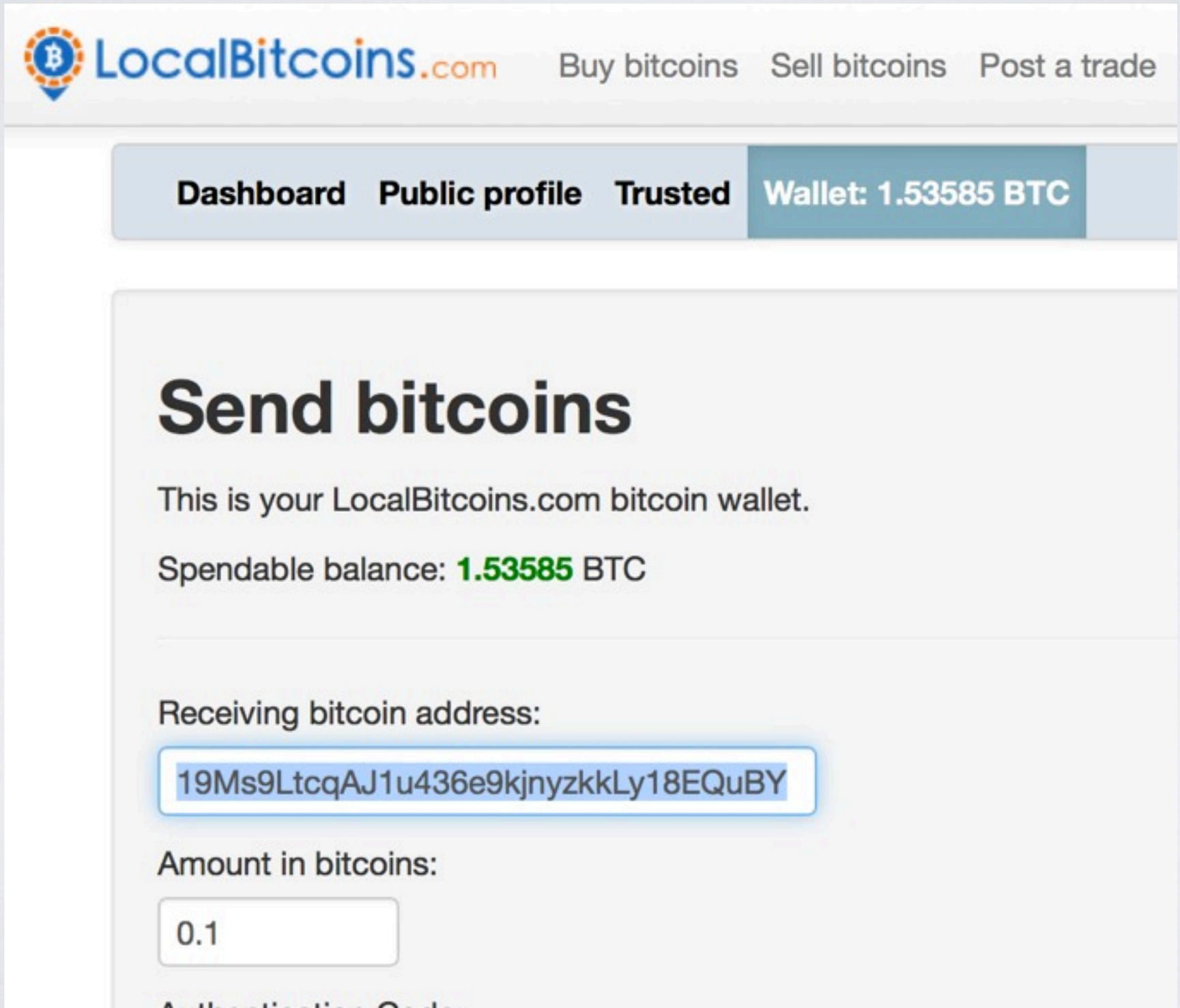
SEND BITCOINS TO YOUR APP



POLL BITCOIND

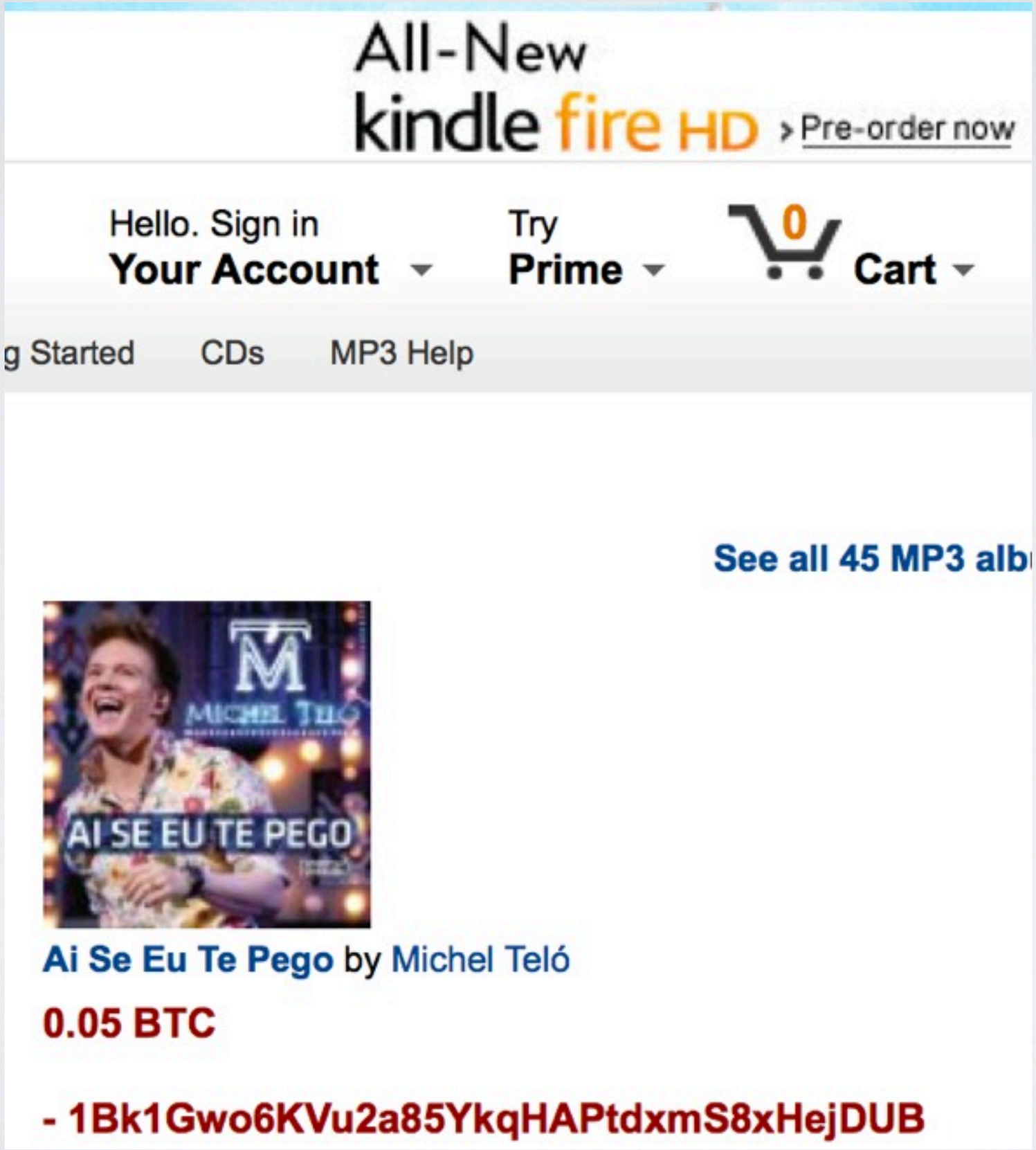
```
[venv][master✗]                                                    [moo@Kohr-Ah.local][18:32]
[~/code/django-bitcoin-example/example]% python manage.py CheckTransactions
starting overall1 1.4066696167e-05 2013-10-04 10:33:20.193507
starting round 5.41210174561e-05
done listtransactions checking, starting checking least_received>least_received_confirmed 1.3086
3499641
done, sleeping... 1.31001615524
starting round 2.3111000061
done listtransactions checking, starting checking least_received>least_received_confirmed 3.5864
5701408
done, sleeping... 3.58774900436
starting round 4.58886218071
done listtransactions checking, starting checking least_received>least_received_confirmed 5.8783
1497192
```

CHECK BALANCE

```
In [1]: master_wallet = Wallet.objects.get(label="master_wall

In [2]: print master_wallet.total_balance()
0.10000000
```

FIND HIGH QUALIT ART



SPEND BITCOINS

```
In [1]: from decimal import Decimal

In [2]: master_wallet = Wallet.objects.get(label="master_wallet")

In [3]: master_wallet.send_to_address("1Bk1Gwo6KVu2a85YkqHAPtdxmS8xHejDUB", De
cimal("0.0015"), "Bought Michel Telo MP3")
No handlers could be found for logger "distributedlock.memcachedlock"
LOCK: locking with key process_outgoing_transactions
LOCK: releasing lock process_outgoing_transactions
Out[3]: (<WalletTransaction: Outgoing bitcoin transaction 0.00150000>, None)

In [4]: _
```

CHECK TRANSACTION STATUS

Transaction View information about a bitcoin transaction

6155d0dd8c83d380344f461ebd87a06cd56b850e8387080457b3e0b32793729a

17tXzFToa18PoXg6HBsthrhDXkErwu8PMA (1 BTC - Output)

1Bk1Gwo6KVu2a85YkqHAPtdxmS8xHejDUB - (Unspent) 0.0015 BTC

1DBjUCPs39ehoCGt8j9S9A22BnveKaxk5D - (Unspent) 0.9984 BTC

Unconfirmed Transaction! 0.9999 BTC

Summary	
Size	227 (bytes)
Received Time	2013-10-04 16:54:31
Estimated Confirmation Time	3 minutes (queue position 291)
Relayed by IP	99.52.176.162 (whois)
Visualize	View Tree Chart

Inputs and Outputs	
Total Input	1 BTC
Total Output	0.9999 BTC
Fees	0.0001 BTC
Estimated BTC Transacted	0.0015 BTC
Scripts	Hide scripts & coinbase

BLOCKCHAIN.INFO

WE ARE HIRING

Hack open source projects

Python

UNIX

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github.com/miohtama/django-bitcoin-example

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