Blockchain Platform: Solana and Avalanche

First Last <upwork21316120@gmail.com> Tue, Mar 28, 2023 at 12:08 AM
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Criteria for selecting a network

1. The most important thing is to become a popular chain.
This is very important. For example, the world knows that Solana Chain has significantly higher performance than Ethereum Chain.
But most people don't even know that Solana Chain exists.
However, if 100 people in the world use Ethereum Chain and 2 people use Solana Chain, which chain would you choose?

Name	Protocols	Active Users	1d Change	7d Change	1m Change	TVL	Stables	24h volume	24h fees	Mcap/TVL
1 Ethereum	714	332,707	+0.88%	-0.44%	+4.32%	$28.87b	$73.9b	$1.04b	$4,409,419	7.31
2 Arbitrum	258	179,076	+2.41%	+22.95%	+20.40%	$2.19b	$1.86b	$571.74m		0.73
3 BSC	566	1,141,761	+0.13%	+6.47%	-1.83%	$5.1b	$6.42b	$199.19m		10.12
4 Polygon	395	337,985	+0.01%	-1.95%	-9.38%	$1.05b	$1.56b	$106.79m	$52,078	9.41

Ethereum > Arbitrum > BSC > Polygon > ..... > Solana

2. It should be a chain supported by most exchanges.
In order for users to easily access our project, it should be a chain supported by most exchanges.
For instance, popular DEXs such as Uniswap, sushiswap, 1inch, and pancakeswap exchanges do not support Solana Chain.
In this case, if we launch the project on the Solana chain, it will be very difficult for them to access our project.

Chain	**Exchanges supported**
Ethereum	+200
Arbitrum	+150
BSC	+100
Polygon	+120
Avalanche	+50
Solana	+10

3. It should be a chain that is used a lot by US investors.
The Solana and Avalanche chains have very small TVL and 24h trading volumes, so big US investors are afraid to invest on those chains.

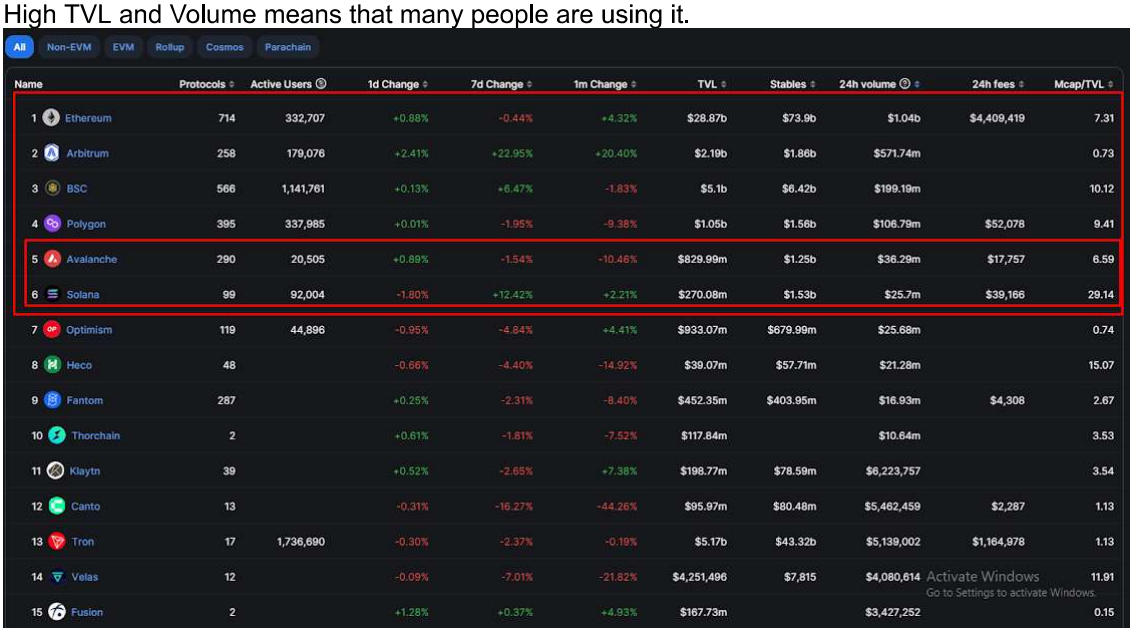
Chain	**Investment Funds**
Ethereum	+45%
Arbitrum	+30%
Polygon	+20%
BSC	+3%
Avalanche	+1.5%

Solana	+0.5%

4. It must be a chain that supports Layer 2.
Why?
- Must be able to easily interact with Ethereum Chain. Because most investors are on the Ethereum Chain.
- The scalability is very flexible.

Chain	**Layer 2 Supports?**
Ethereum	**Layer 1**
Arbitrum	**Layer 2**
BSC	**Layer 1**
Polygon	**Layer 1**
Avalanche	Not sure
Solana	**Impossible**

5. TVL (Total Value Locked) and 24H Trading Volume should be high.
High TVL and Volume means that many people are using it.



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4 Polygon	395	337,985	+0.01%	-1.95%	-9.38%	$1.05b	$1.56b	$106.79m	$52,078	9.41
5 Avalanche	290	20,505	+0.89%	-1.54%	-10.46%	$829.99m	$1.25b	$36.29m	$17,757	6.59
6 Solana	99	92,004	-1.80%	+12.42%	+2.21%	$270.08m	$1.53b	$25.7m	$39,166	29.14
7 Optimism	119	44,896	-0.95%	-4.84%	+4.41%	$933.07m	$679.99m	$25.68m		0.74
8 Heco	48		-0.66%	-4.40%	-14.92%	$39.07m	$57.71m	$21.28m		15.07
9 Fantom	287		+0.25%	-2.31%	-8.40%	$452.35m	$403.95m	$16.93m	$4,308	2.67
10 Thorchain	2		+0.61%	-1.81%	-7.52%	$117.84m		$10.64m		3.53
11 Klaytn	39		+0.52%	-2.65%	+7.38%	$198.77m	$78.59m	$6,223,757		3.54
12 Canto	13		-0.31%	-16.27%	-44.26%	$95.97m	$80.48m	$5,462,459	$2,287	1.13
13 Tron	17	1,736,690	-0.30%	-2.37%	-0.19%	$5.17b	$43.32b	$5,139,002	$1,164,978	1.13
14 Velas	12		-0.09%	-7.01%	-21.82%	$4,251,496	$7,815	$4,080,614		11.91
15 Fusion	2		+1.28%	+0.37%	+4.93%	$167.73m		$3,427,252		0.15

Ethereum > Arbitrum > BSC > Polygon > Avalanche > Solana

6. It should be a chain with low gas fee (transaction cost).
It doesn't even matter.
It is necessary to analyze why most projects launch on Ethereum even if it has a high transaction cost.

Chain	**Transaction Cost**
Ethereum	**Very High**
Arbitrum	**Very Low**
BSC	**Middle or Low**
Polygon	**Low**
Avalanche	Not sure
Solana	**Low**

7. If Solana Chain is used, there are many obstacles in development.
Solana Chain uses Rust language for smart contract.
Implementing ECDSA on the Solana chain is impossible if we use the Rust language.
In other words, it means that it is impossible to develop a current Phase 2 project.

Chain	**ECDSA is possible?**
Ethereum	**Possible**
Arbitrum	**Possible**
BSC	**Possible**
Polygon	**Possible**
Avalanche	Not sure
Solana	**Impossible**

8. Projects must be redesigned and developed again from scratch if our option is solana.
The current project is on EVM chains (ethereum, arbitrum, bsc, polygon, Optimism etc.)

9. Must be a chain that supports the proxy pattern for maintenance and improvement.
VERY IMPORTANT!
Once smart contracts are on Solana Chain, it is impossible for us to upgrade smart contracts.

Chain	**Proxy Pattern Supports?**
Ethereum	True
Arbitrum	True
BSC	True
Polygon	True
Avalanche	Not sure
Solana	False

10. We can see that our option is finally between Ethereum, Arbitrum and Polygon, BSC chains.

My option is Arbitrum or Polygon chain.
Agree?

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