Table I. Architectural comparison between Ethereum and Flow blockchains

Parameter	**Non-Fungible Architecture**	
	Ethereum	**Flow**
Year	2013	2020
Native Cryptocurrency	ETH	FLOW
Virtual Machine	EVM (Ethereum Virtual Machine)	FVM (Flow Virtual Machine)
Smart Contract Programming Language	Solidity	Cadence
Consensus Algorithm	2013-2022: Proof-of-Work, 2022-: Proof-of-Stake	Proof-of-Stake
Network Nodes Roles Types	1 - Execution Client	1 - Collector Node
		2 - Consensus Node
	2 - Consensus Client	3 - Execution Node
		4 - Verification Node
Token Standards	ERC-20 (fungible token standard)	FungibleToken
	ERC-721 (non-fungible token standard)	NonFungibleToken
Data Storage Architecture	Contract-based	Account(User)-based
Block Rate (Average)	12 - 15 seconds per block	0.5 - 1 seconds per block
Volume of daily transactions submitted (2024)	1 - 1.25 million transactions per day	0.5 - 1 million transactions per day
Average cost (gas) per transactions	5.5 gwei (∼0.39 $)	∼0.00000845 $