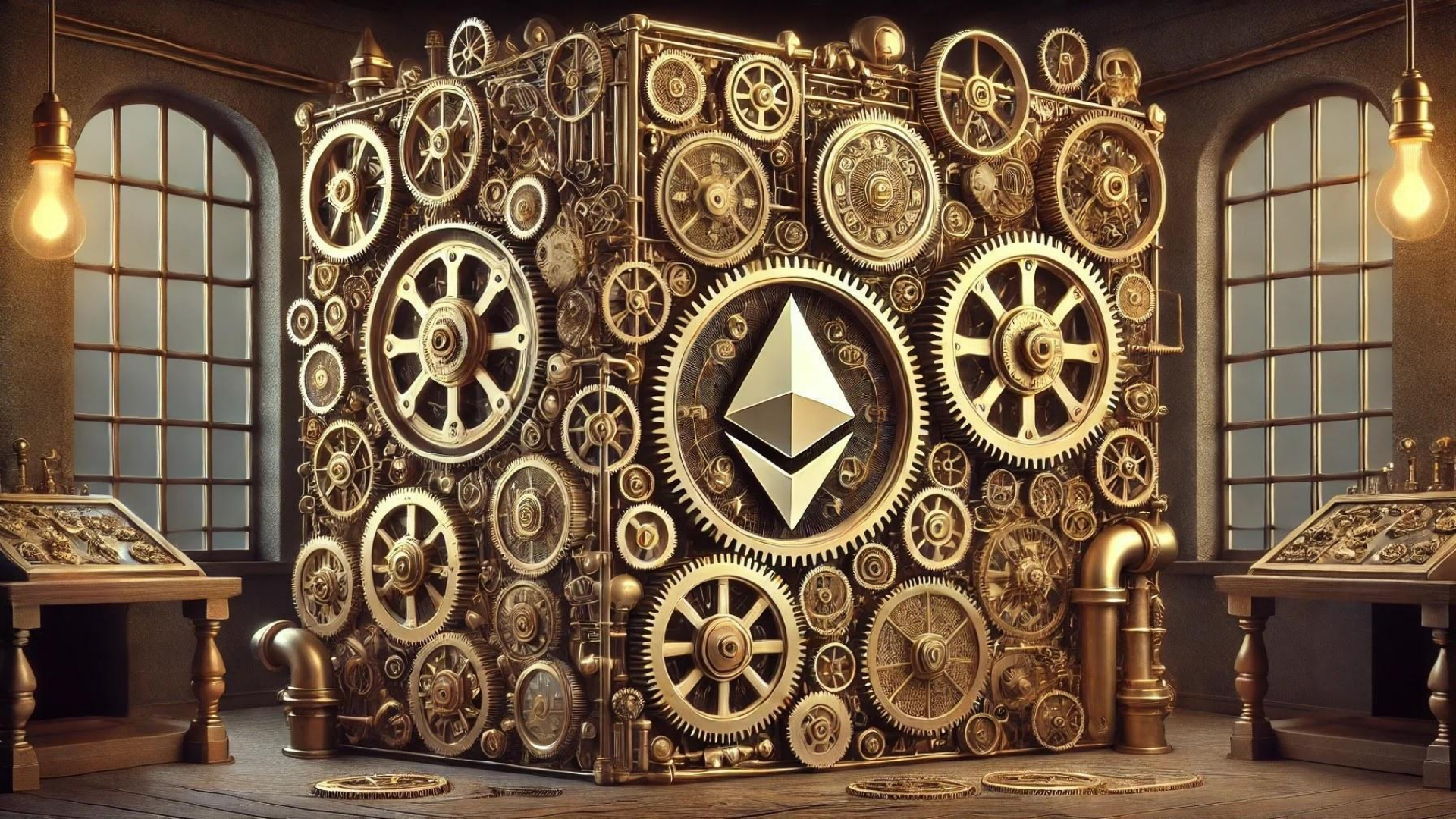
From Nanoseconds to Decades
The Timescales of Ethereum
Jannik Luhn



12 s

Slot

2 s

Block propagation

250 ms

Transaction propagation

100 ms

Network Ping

100 ms

Block execution

1 ms

Attestation validation

100 µs

Transaction execution

50 µs

Signature check

350 ns

Hash

10 ns

Single unit of gas

12 s

Slot

6.4 min

Epoch

12.8 min

Finality

30 min

Emergency response

2 days

Node syncing

2 weeks

AllCoreDevs meetings

also: soon™

1 year

Hard fork

2 years

EIP inclusion

2 years

Devcons

10 years

Long term features

100 years

Ethereum?