

WEB2 VS WEB3 ENGINEERING

1



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SEMARANG DEV



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SPEAKER PROFILE

- Product Engineer @ Zero One Group
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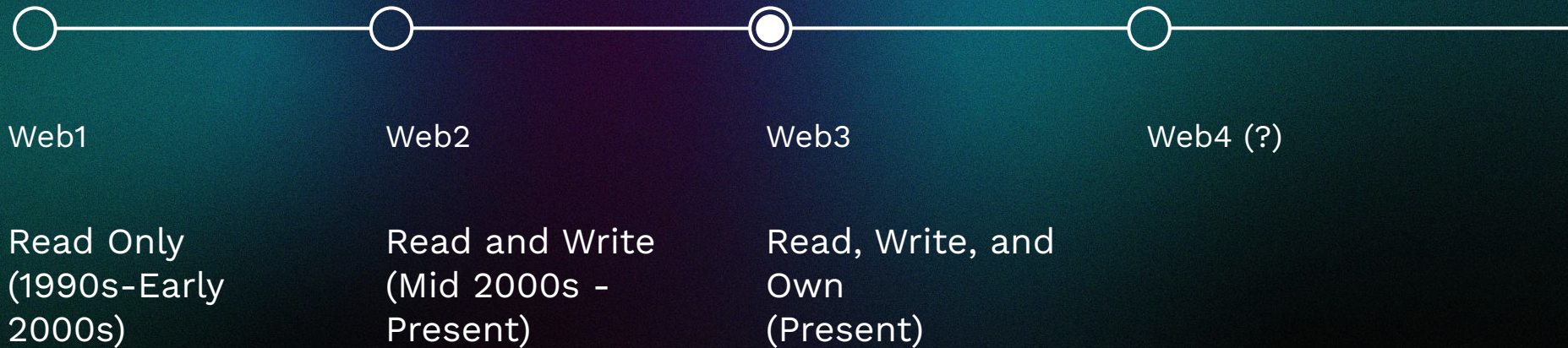
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INTRODUCTION



HISTORY OF THE WEB



BERKSHIRE HATHAWAY INC.
3555 Faraday Street
Omaha, NE 68131
Official Home Page

- [Fraudulent Claims Regarding Mr. Buffett's Endorsement](#)
- [News Releases from Berkshire Hathaway and from its Subsidiaries](#)
Updated February 22, 2023
- [Annual Meeting Information](#)
Updated February 22, 2023
- [Berkshire Hathaway Energy Investor Presentation](#)
- [Warren Buffett's Letters to Berkshire Shareholders](#)
Updated February 22, 2023
- [Charlie Munger's Letters to Wesco Shareholders](#)
- [Celebrating 50 Years of a Profitable Partnership](#)
(A commemorative book first sold at the 2013 Annual Meeting and now for sale on our website)
- [Common Stock Information](#)

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However, due to the limited number of personnel in our corporate office, we are unable to provide a direct response.

Elon Musk @elonmusk
73.4K posts

Ørok
TO UNDERSTAND

Elon Musk reposted
Libs of TikTok @libsoftiktok · 10h
Elissa Slotkin (D- "Is there anyone in America who is comfortable with Elon and his gang of 20-year-olds using their computer servers to poke through your tax returns, your health information, your bank accounts?"
Hey @SenatorSlotkin, I AM.
DOGE IS EXACTLY WHAT I VOTED FOR

Search Staking Referrals Leaderboard More

You might like

Range	24h Volume	24h Interest	Estimate (Countdown)
MrBeast #MrBeast	7 / +6.13%	\$1,725,543,879.92	\$802,274,192.71 0.0005% 00:52:26
Jeff Bezos @JeffBezos	200.0 L2,170.0 C2,196.4 26.400 (+1.22%)		
NASA @NASA			

What's happen

Fashic FW25 L146
Trending in Indonesia
Tante
20.9K posts
Trending in Indonesia
#pemerintahbersih
100K posts

Canada 1.32M posts

Order Book Trades

Price	Size (ETH)
2,197.5	141.9730
2,197.4	148.8388
2,197.3	199.2108
2,197.2	190.6664
2,197.1	123.7365
2,197.0	274.3351
2,196.9	84.7555
2,196.8	0.2276
2,196.7	18.2095
2,196.6	177.6654
2,196.5	377.8074

Spread 0.1 0.0

Entry Price **Mark Price** **PNL (P&L)** **Log Price** **Margin** **Funding**



Berkshire Hathaway Website

X

Hyperliquid (DApp)

?

WEB1, WEB2 & WEB3 WEBSITES

WEB2 VS WEB3 ENGINEERING

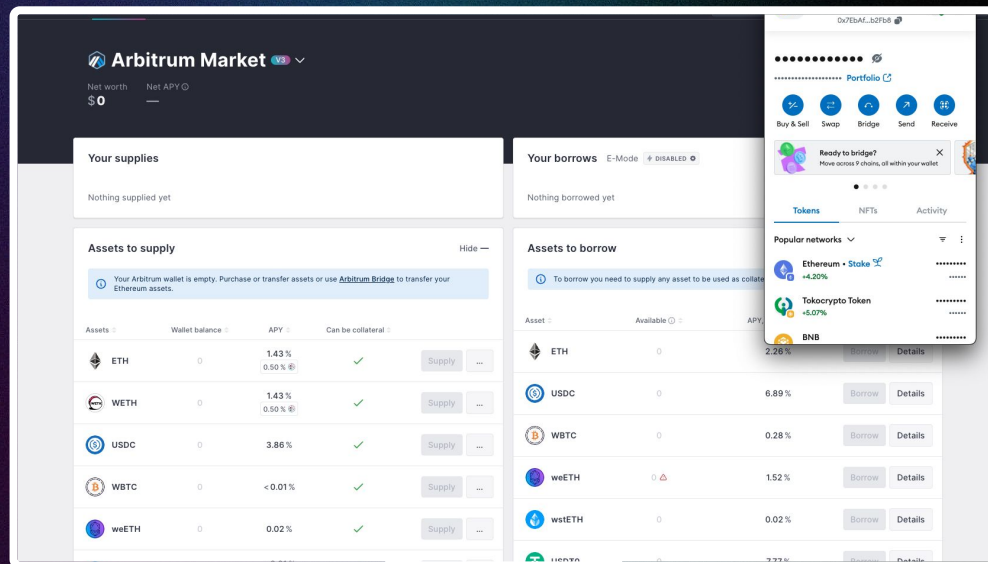
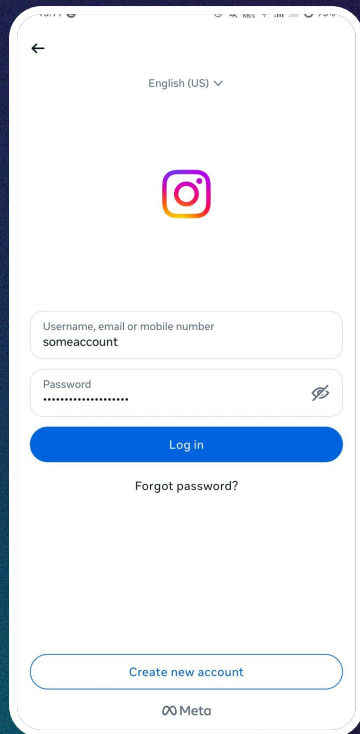
WEB2 VS WEB3 ENGINEERING

Source: TheSequence



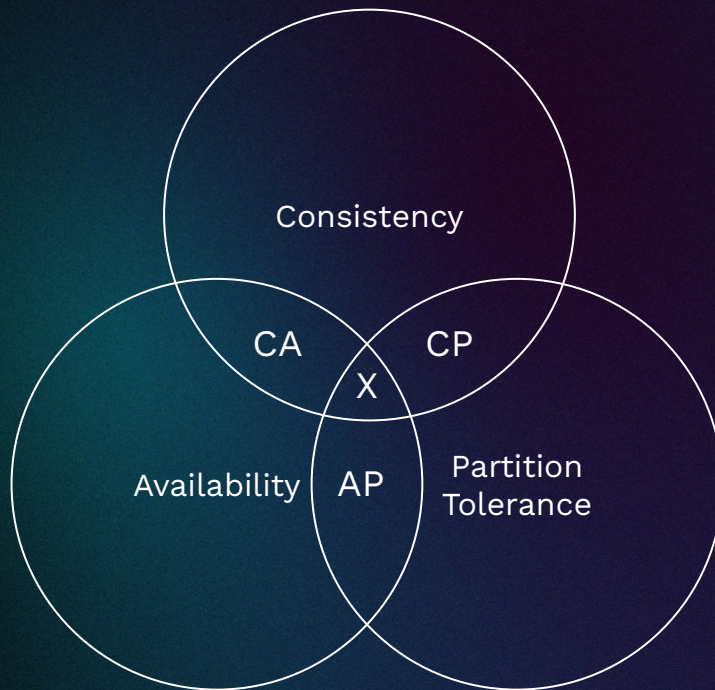
CHARACTERISTICS

	Web2	Web3
Model	Centralized	Decentralized
Transaction Speed	Fast; almost instant	Slower
Data Ownership	Company-owned	Individually-owned
Transparency	Not transparent	Highly-transparent
Medium of Exchange	Fiat	Cryptocurrencies
Ease of Use	Easy	More Complex

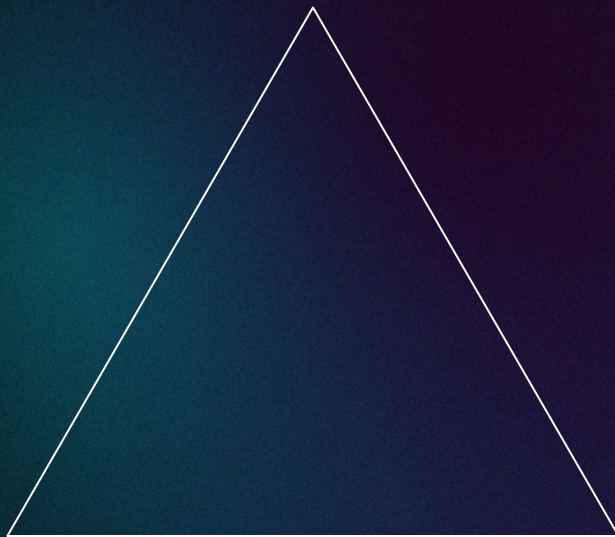


CHARACTERISTICS

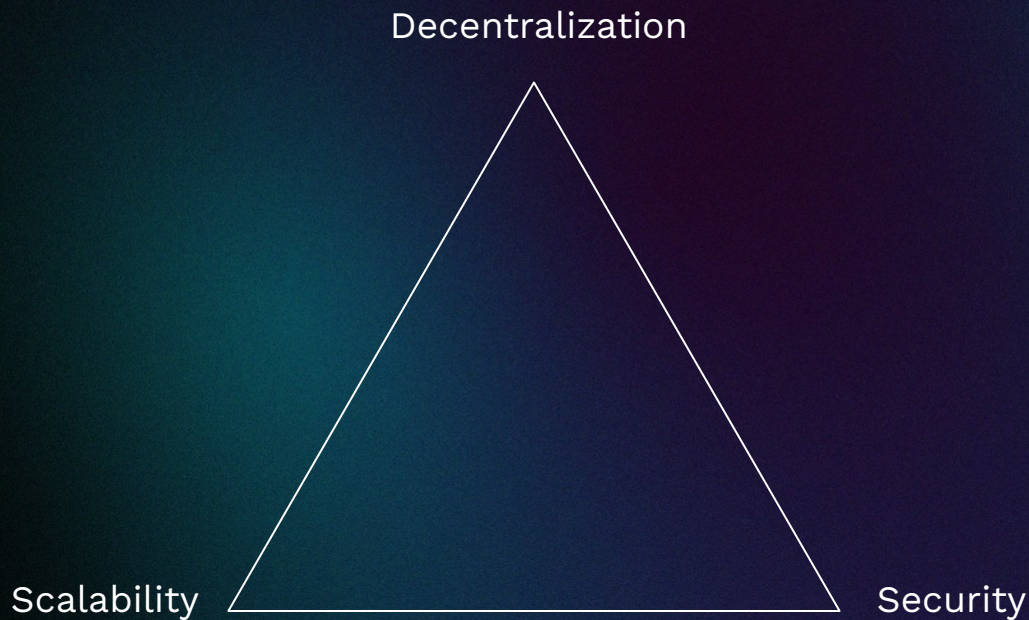
WEB2 CONCERNS - CAP THEOREM



WEB3 CONCERNS - THE BLOCKCHAIN TRILEMMA



WEB3 CONCERNS - THE BLOCKCHAIN TRILEMMA



TECHNOLOGIES

	Web2	Web3
APIs	REST/GraphQL	Smart Contract ABIs
Storage	MySQL, PostgreSQL, AWS S3	IPFS, Filecoin
Authorization	OAuth 2.0	Wallet Signatures
Infrastructure	Kubernetes	Cosmos SDK
Payment Gateways	Stripe, PayPal	Wormhole, Axelar
Programming Languages	Node.js, Python, Go, Java	Solidity (EVM), Rust (Solana), Move (Sui)

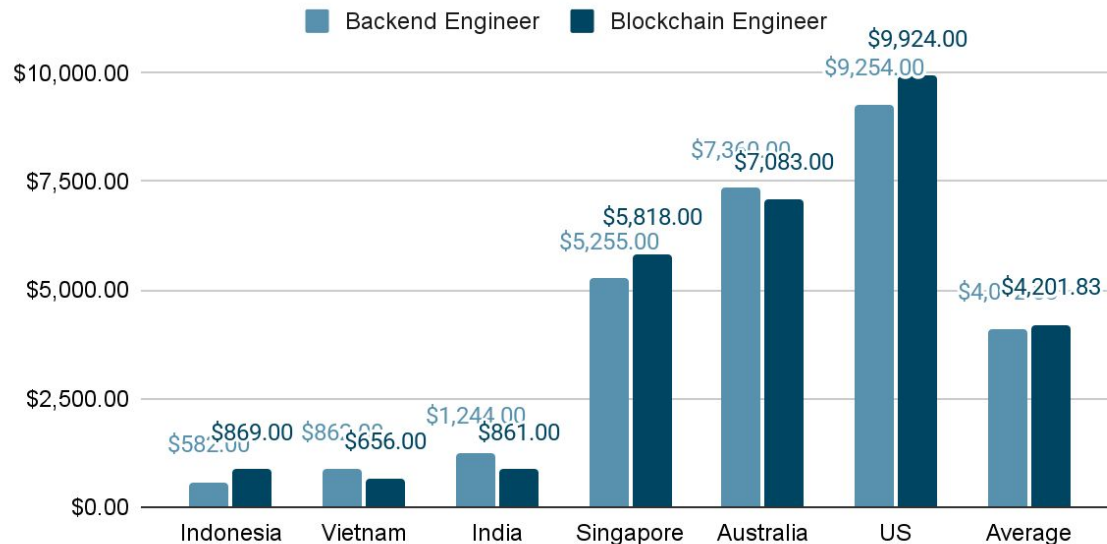
WEB3 INNOVATIONS

- Programmable money (tokens, stablecoins)
- Decentralized Autonomous Organizations (DAOs)
- Decentralized Finance (DeFi)
- Non-Fungible Tokens (NFTs)
- Decentralized Identity Management
- Decentralized Gaming / Metaverse
- Decentralized Social Media
- Decentralized Science (DeSci)
- Decentralized Physical Infrastructure Network (DePIN)
- Etc.

JADI, MANA YANG LEBIH CUAN?

Average Salaries

Backend vs Blockchain Engineers Average Monthly Salaries



Source: Glassdoor

CONCLUSION



SUMMARY

- Web2 and Web3 engineering methodologies are inherently different.
- Web3 innovations have significantly enhanced the decentralization of technologies traditionally associated with Web2.
- Average salaries between backend engineer and blockchain engineer are comparable.
- Web3 challenges:
 - Technical complexity
 - User experience
 - Regulations
 - Security risks

REFERENCES

BNB Chain. (2024, March 26). *Web2 vs Web3 - Understanding the Critical Differences and What Lies Ahead*. BNB Chain Blog.

<https://www.bnbchain.org/en/blog/web2-vs-web3-what-are-the-differences>

Pintu. (2023, May 19). *Web2 vs Web3: Perbedaan dan Masa Depannya*. Pintu Academy.

<https://pintu.co.id/academy/post/web2-vs-web3-keunikan-kelemahan-dan-masa-depan>

“

If crypto succeeds, it's not because it empowers better people. It's because it empowers better institutions.

– Vitalik Buterin

THANK YOU. QUESTIONS?

JEHUDA RAJASA



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CLOSING REMARKS