Nguồn lực Blockchain

Khánh Tống - Hardcore Series, Wellderly

Nội dung

Dự đoán tương lai

Bức tranh hiện tại

Hành động

Đào tạo lập trình viên Blockchain

DỰ ĐOÁN TƯƠNG LAI

10% GDP

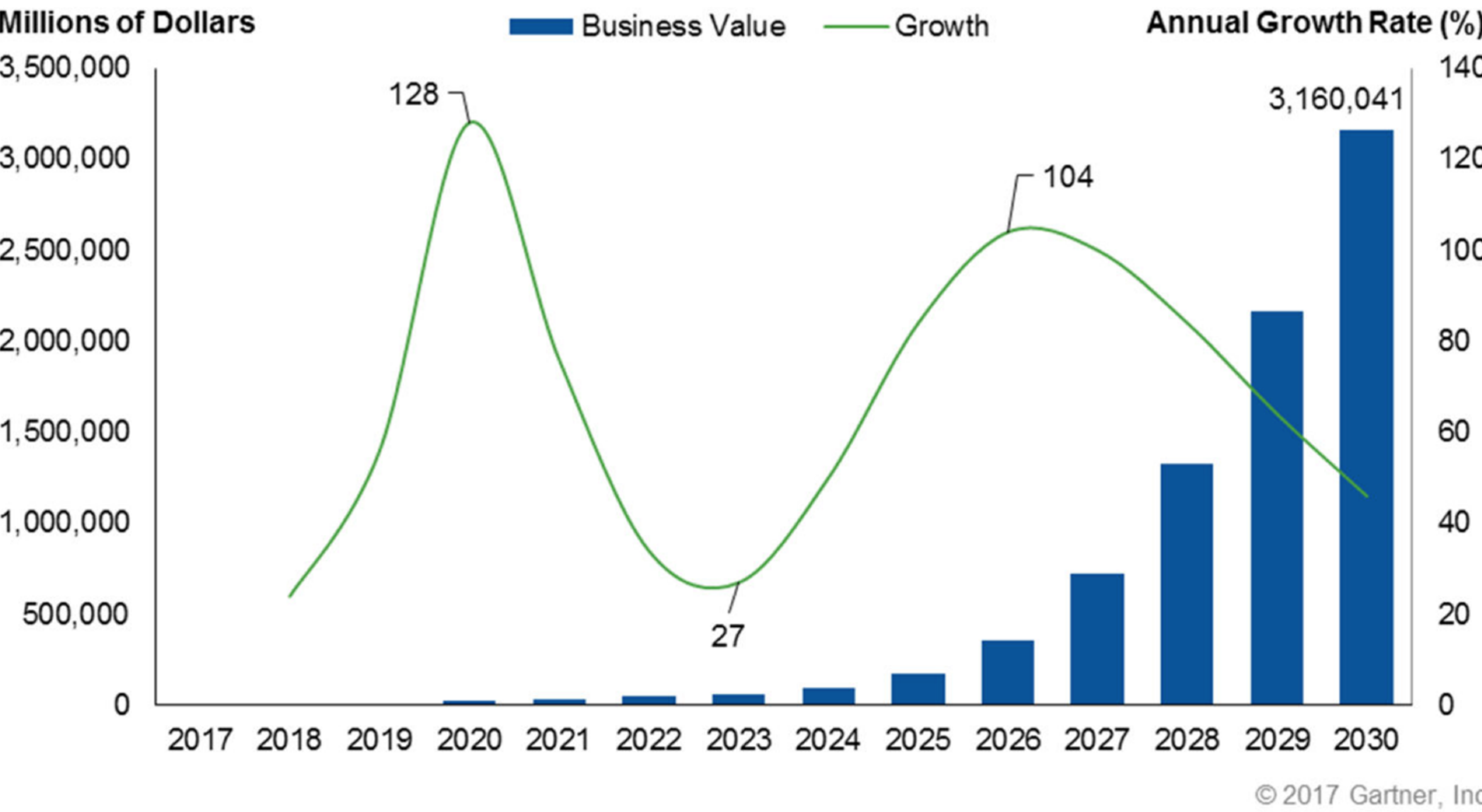
Toàn cầu được lưu bằng công nghệ Blockchain năm 2025

Theo WEF - diễn đàn kinh tế thế giới

3100 tỷ $

Giá trị gia tăng từ blockchain vào năm 2030

Theo Gartner



Millions of Dollars
Business Value
Growth
Annual Growth Rate (%)
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
140
120
100
80
60
40
20
0
128
27
104
3,160,041
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
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Bitcoin 1000 tỷ

Sau Apple và Amazon

Thu thuế bằng blockchain

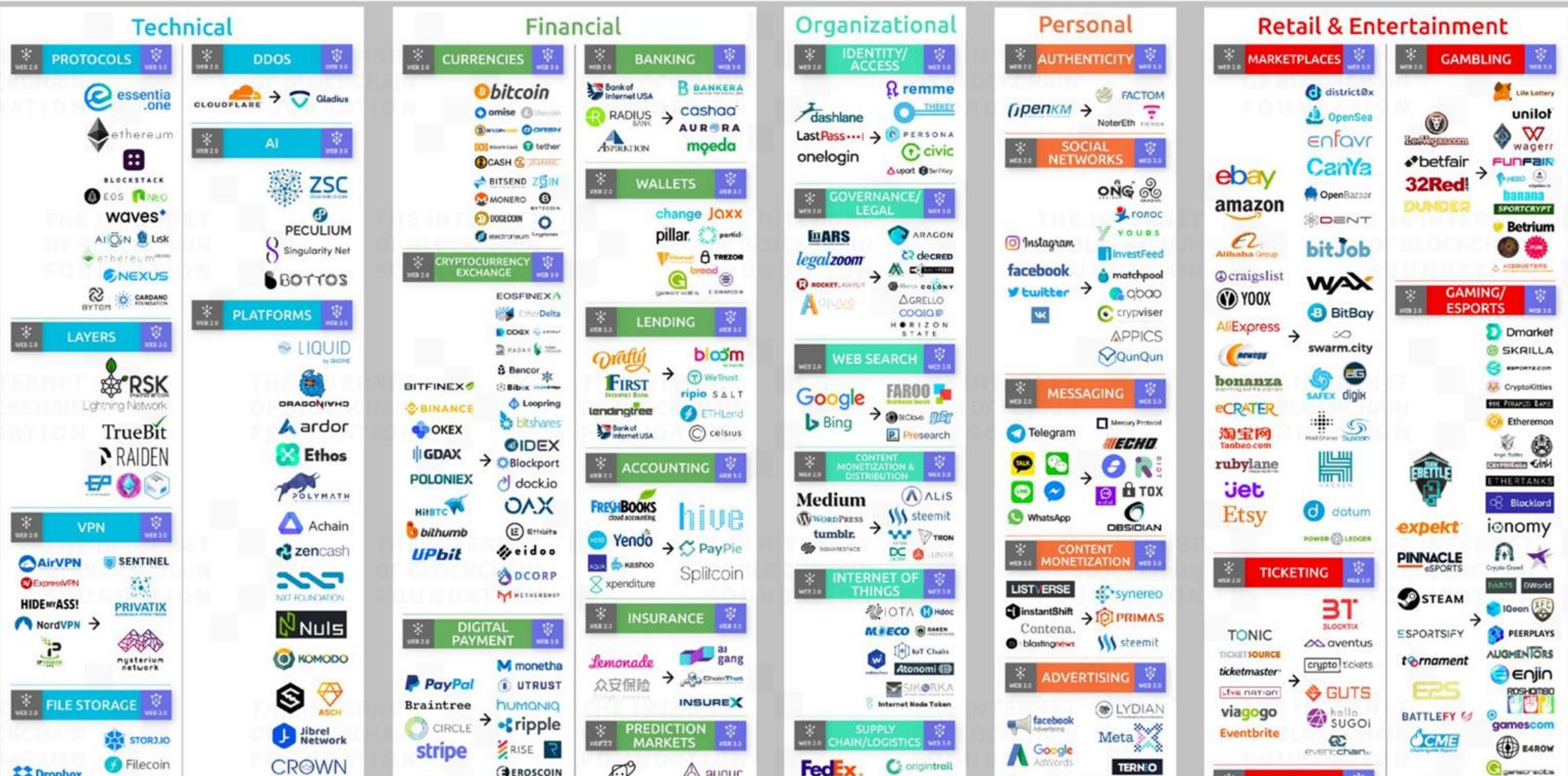
vào năm 2025

Theo WEF - diễn đàn kinh tế thế giới

Thay thế quá trình đối soát

Vào năm 2025

WEB 3.0: THE INTERNET OF BLOCKCHAINS



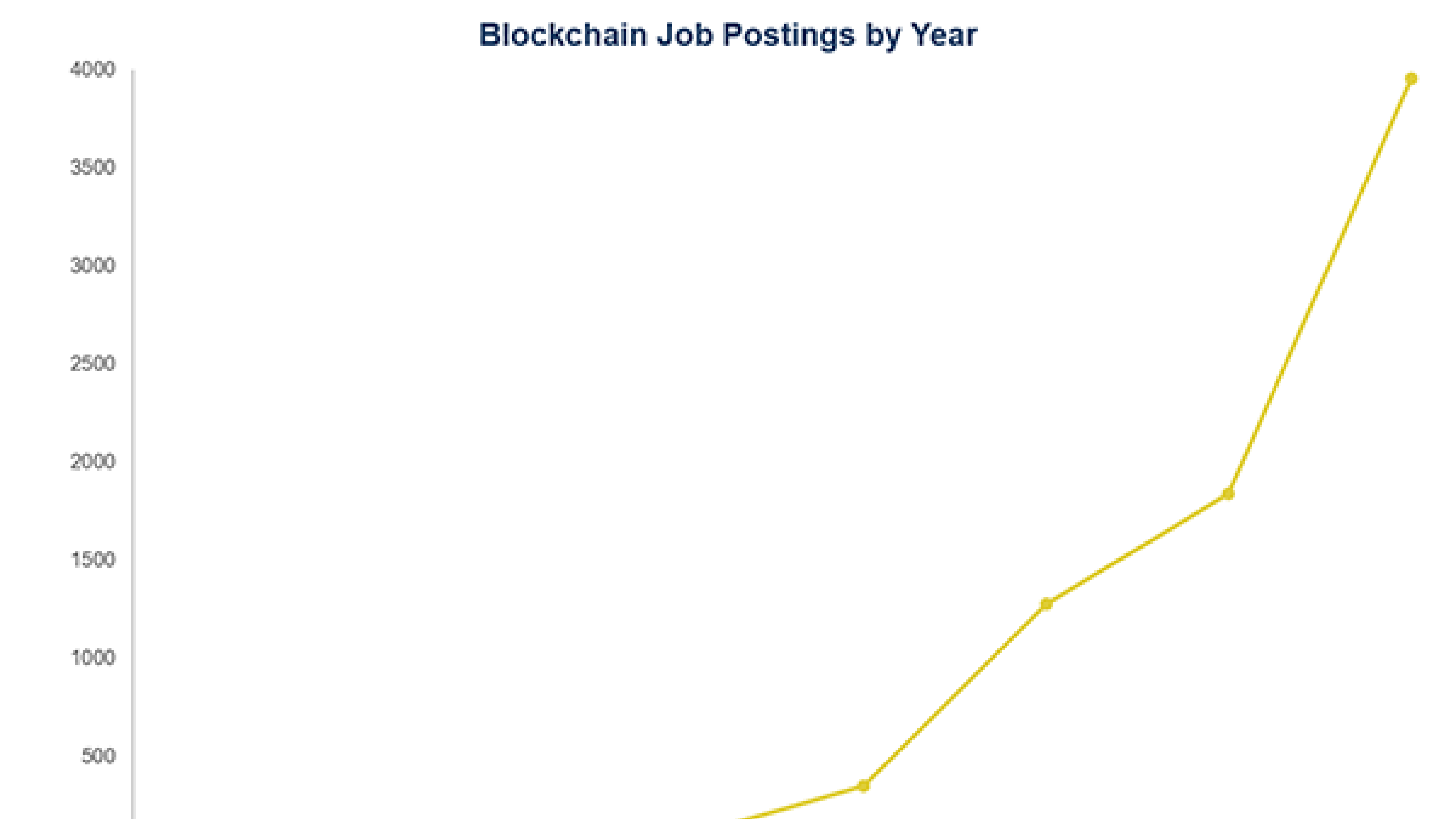
BỨC TRANH HIỆN TẠI

6 tỷ $ ICO

Năm 2017

200 tỷ $

Vốn hoá toàn thị trường tiền mã hoá


Blockchain Job Postings by Year
4000
3500
3000
2500
2000
1500
1000
500

14

Công việc/ứng viên

Tăng trưởng nhu cầu

35,000 %
UpWork

700%
Toptal

Quarterly Skills Index

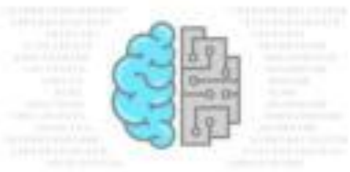
The top 20 fastest-growing skills, Q1 2018

1 BLOCKCHAIN

A Distributed Ledger Technology (DTL) that verifies and records transactions

2 TENSORFLOW

An open source machine learning framework for everyone



3 AMAZON DYNAMODB

A fast, flexible way of making it simple and cost-effective to store and retrieve any amount of data

4 VOICE OVER

Words for a film, ad or video that are spoken by a person who isn't seen

5 SUBTITLING

Captions displayed at the bottom of a screen that translate or transcribe a dialogue or narrative

6 ART DIRECTION

Overseeing the artistic aspects of a film, publication or other media production

ADDITIONAL SKILLS

7 Content Strategy
8 Computer Vision
9 Microsoft Power BI
10 Augmented Reality
11 Chatbot Development
12 React Native
13 Media Buying
14 Go Development
15 Information Security
16 Scala Development
17 Instagram API
18 Adobe Premiere
19 Machine Learning
20 AngularJS Development

upwork

ENTERPRISE BLOCKCHAIN SURVEY

technology to improve our lives. The highlights of the survey are shared in the infographic below, based on more than 200 responses, primarily from senior business leaders, supply chain managers, innovation & strategy officers and business analysts.

SAP www.sap.com/blockchain

1 EARLY ADOPTION

92% of survey respondents view blockchain as an opportunity

Only 3% of survey respondents are using blockchain in a production today

84% of survey respondents are currently engaged in blockchain related activities

2 LEADING USE CASES

MOST PROMISING BLOCKCHAIN USE CASES

MOST IMPORTANT BLOCKCHAIN ATTRIBUTES

Transparency in the value chain

Trustworthy shared data

Industry standardization

3 FUTURE IMPACT

76% of survey respondents view that operational supply chain will be replaced by Smart Contracts in 5 - 10 years

83% of survey respondents assume that blockchain will become the system of trust

96% of survey respondents think that blockchain will improve the compliance of companies

4 SAP IMPORTANCE IN DRIVING BLOCKCHAIN

91%

Of survey responders view SAP's involvement with blockchain as positively impacting their company's adoption of blockchain

92%

Of survey responders would join an SAP led blockchain consortium

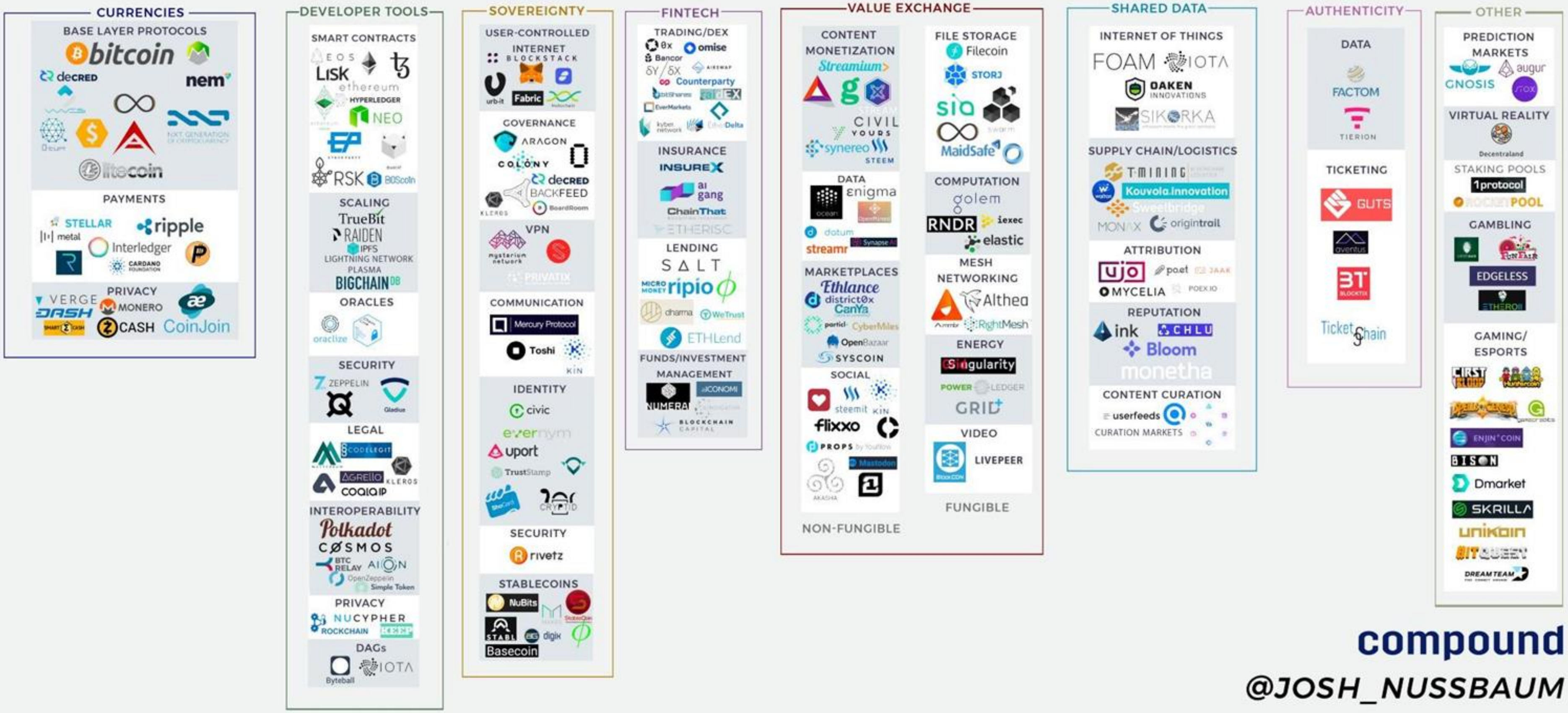
92%

Of survey responders consider SAP's support of blockchain in standard products will accelerate adoption in the supply chain, manufacturing and IoT markets

These 11 questions will help you make a quick initial assessment of whether blockchain is the right solution for the problem you're facing.

Blockchain

BLOCKCHAIN PROJECT ECOSYSTEM



compound

@JOSH_NUSSBAUM

HÀNH ĐỘNG

Cơ hội công việc Blockchain 2019

Quản lý dự án

Hỗ trợ cộng đồng

Lập trình viên

Luật

Thiết kế

<u>DOANH NHÂN</u>

Khóa học trực tuyến

Trường đại học lớn

10+ UNIVERSITIES OFFERING BLOCKCHAIN COURSES

BLOCKCHAIN
AT BERKELEY

GEORGETOWN UNIVERSITY
McDonough School of Business

NEW YORK UNIVERSITY
NYU STERN
LEONARD N. STERN SCHOOL OF BUSINESS

Duke Blockchain Lab
Bringing Blockchain Technology to the Duke University Community

Stanford ONLINE

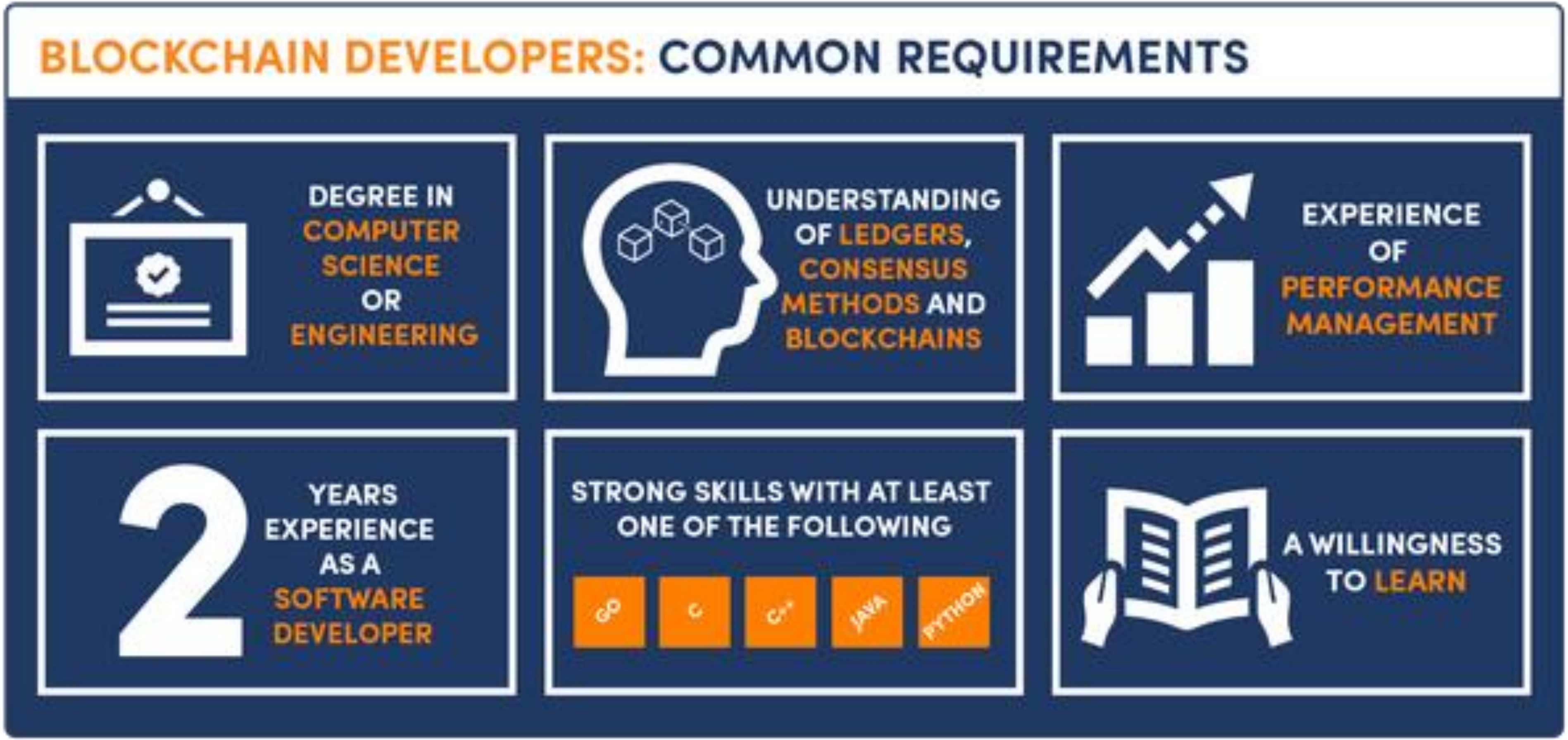
PRINCETON UNIVERSITY

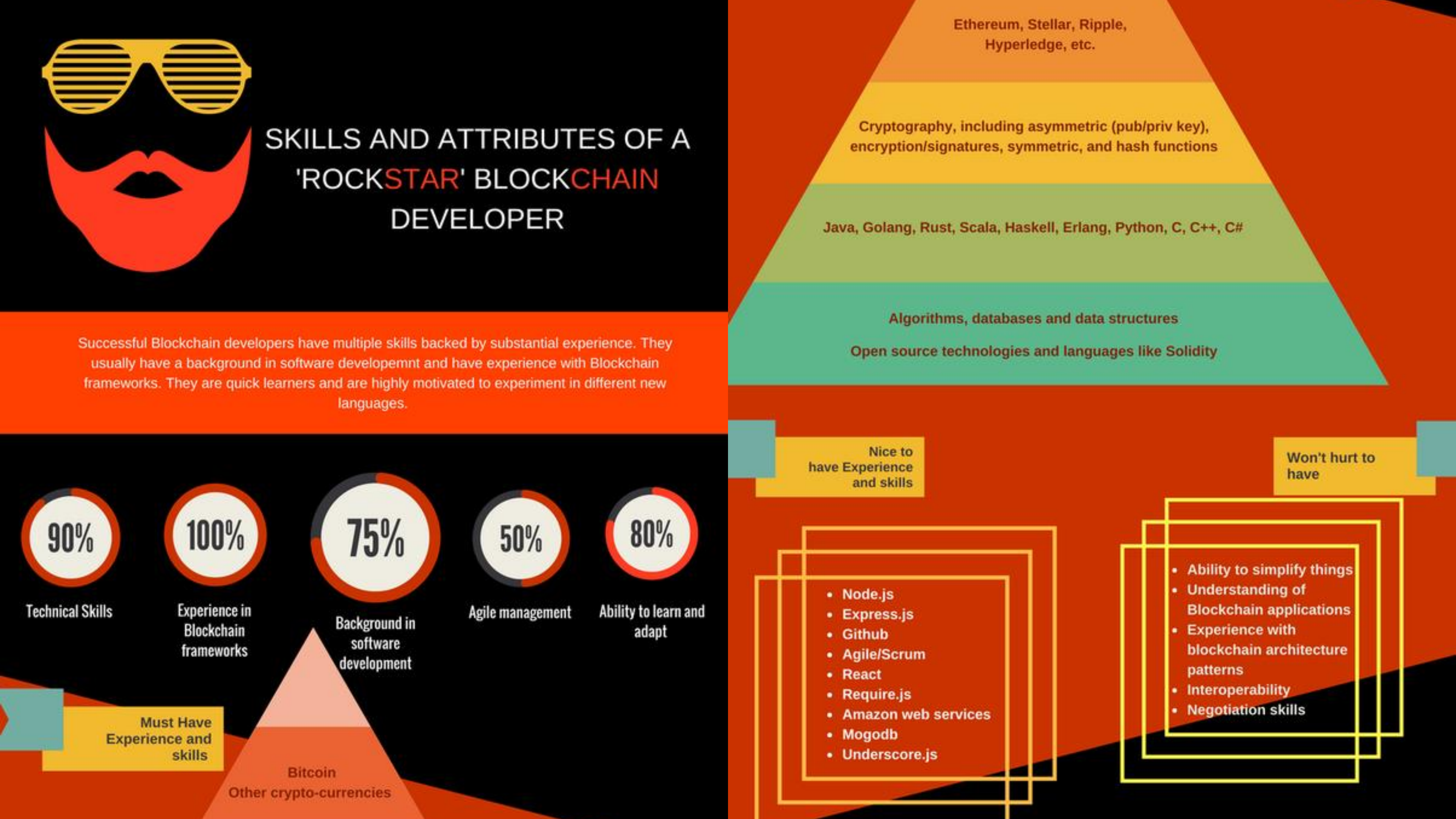
coursera

DIGITAL CURRENCY INITIATIVE
mit media lab

CORNELL BLOCKCHAIN

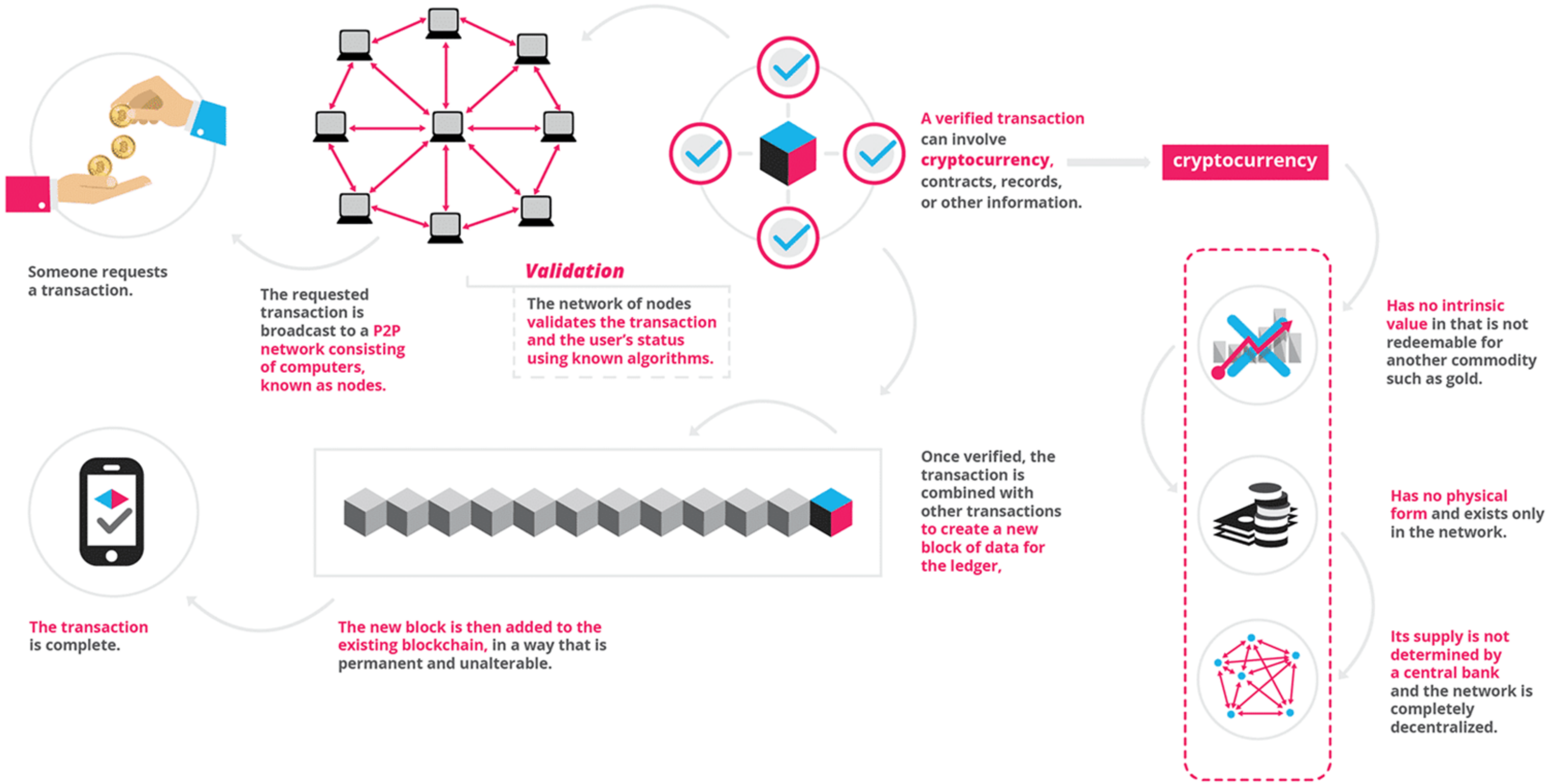
RMIT UNIVERSITY


BLOCKCHAIN DEVELOPERS: COMMON REQUIREMENTS
DEGREE IN COMPUTER SCIENCE OR ENGINEERING
UNDERSTANDING OF LEDGERS, CONSENSUS METHODS AND BLOCKCHAINS
EXPERIENCE OF PERFORMANCE MANAGEMENT
2 YEARS EXPERIENCE AS A SOFTWARE DEVELOPER
STRONG SKILLS WITH AT LEAST ONE OF THE FOLLOWING
GO
C
C++
JAVA
PYTHON
A WILLINGNESS TO LEARN


SKILLS AND ATTRIBUTES OF A 'ROCKSTAR' BLOCKCHAIN DEVELOPER
Successful Blockchain developers have multiple skills backed by substantial experience. They usually have a background in software developemnt and have experience with Blockchain frameworks. They are quick learners and are highly motivated to experiment in different new languages.
90%
Technical Skills
100%
Experience in Blockchain frameworks
75%
Background in software development
50%
Agile management
80%
Ability to learn and adapt
Must Have Experience and skills
Bitcoin
Other crypto-currencies
Ethereum, Stellar, Ripple, Hyperledge, etc.
Cryptography, including asymmetric (pub/priv key), encryption/signatures, symmetric, and hash functions
Java, Golang, Rust, Scala, Haskell, Erlang, Python, C, C++, C#
Algorithms, databases and data structures
Open source technologies and languages like Solidity
Nice to have Experience and skills
Node.js
Express.js
Github
Agile/Scrum
React
Require.js
Amazon web services
Mogodb
Underscore.js
Won't hurt to have
Ability to simplify things
Understanding of Blockchain applications
Experience with blockchain architecture patterns
Interoperability
Negotiation skills

Lập trình viên Blockchain

1 - Hiểu căn bản


Someone requests a transaction.
The requested transaction is broadcast to a P2P network consisting of computers, known as nodes.
Validation
The network of nodes validates the transaction and the user's status using known algorithms.
A verified transaction can involve cryptocurrency, contracts, records, or other information.
cryptocurrency
Has no intrinsic value in that is not redeemable for another commodity such as gold.
Has no physical form and exists only in the network.
Its supply is not determined by a central bank and the network is completely decentralized.
Once verified, the transaction is combined with other transactions to create a new block of data for the ledger,
The new block is then added to the existing blockchain, in a way that is permanent and unalterable.
The transaction is complete.

2 - Hiểu hoạt động

WEBCOM SYSTEMS

HOW BLOCKCHAIN WORKS?

1

1. Alice wants to send money to Bob.

2

2. The first block is created online and represents the transaction.

3

3.This Block is broadcast to every party in the network.

4

4. Those in the network approve the transaction and validate it.

5

5.The block is then added to the Chain which provides a permanent, non-repudiable and transparent record of the transaction

6

6. Bob receives money from the Alice

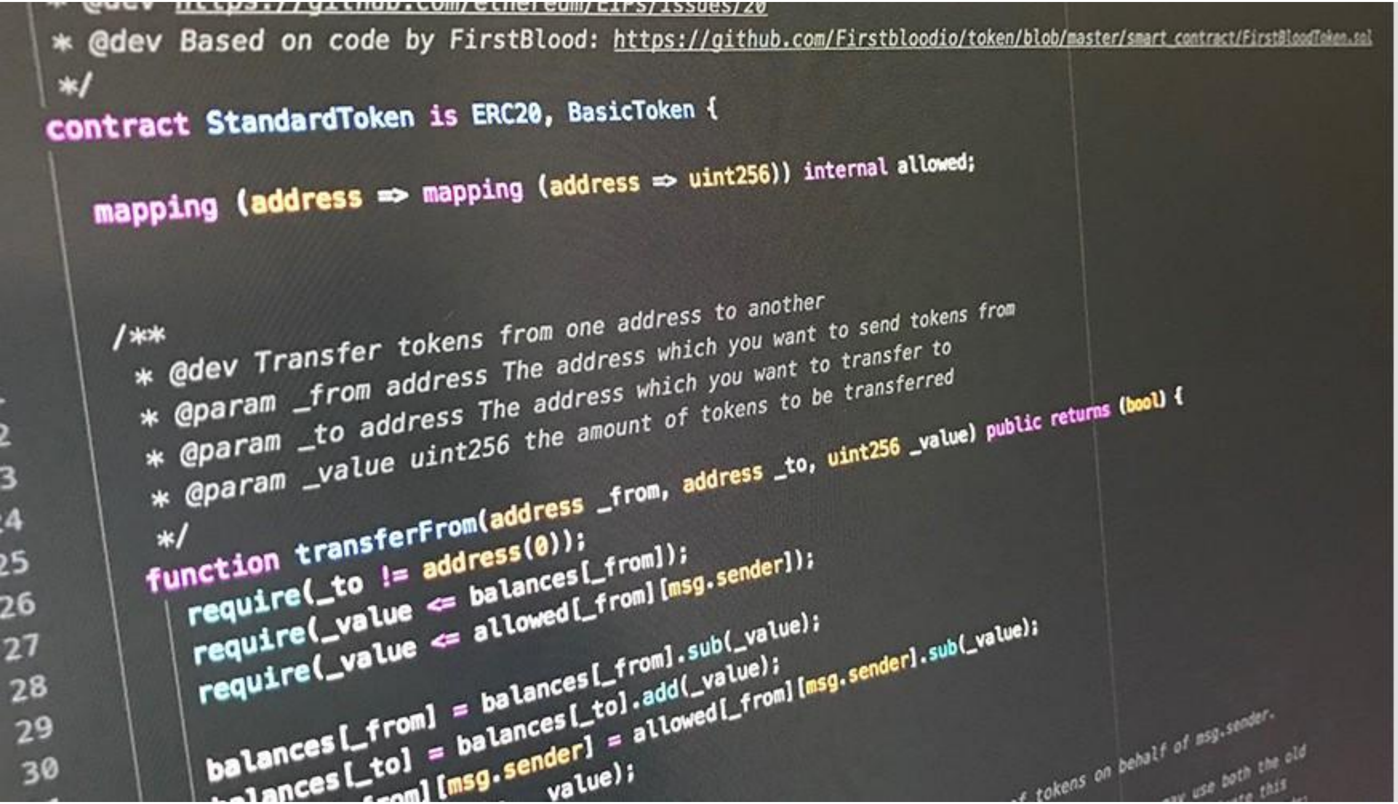
Note: Transactions are not valid until added to chain. Tampering is immediately evident.

The Blockchain is regarded as safe as everyone in the network has a copy.

The source of any discrepancies are usually evident immediately.

Designed By:- www.webcomsystem.net

3 - thực hành



Learn Solidity

Xin cảm ơn