

Introduction to Blockchain Technology 区块链 (基础课)

Faster * Accurate * Secure

(For Non-Technical People)

Presented by: Patrick Oh 胡文狮

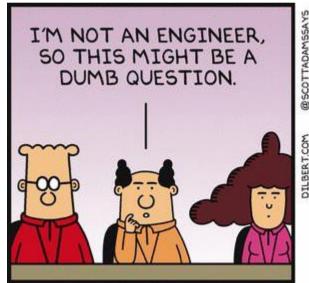
Note: This material is not for publication. It is meant for used in live presentation to audience with non-technical understanding of Blockchain.

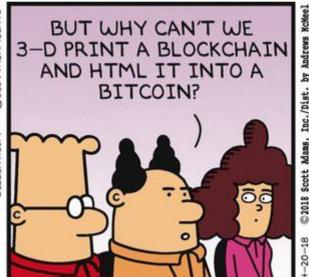
Activity: What do you think Blockchain is?





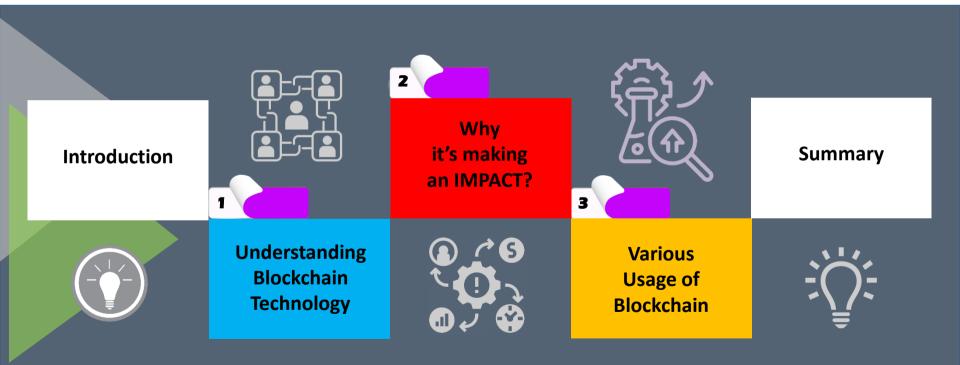
If you already know what Blockchain means— realize that you are in the 1% of privileged nerds







Learning Journey



Learning Objectives

At the end of the session, learners will be able to:

- ✓ Explain what Blockchain Technology is
- ✓ Explain why Blockchain Technology is making Impact
- ✓ Explain where and how Blockchain Technology can be applied



Bitcoin or cryptocurrency

is NOT EQUAL

to Blockchain

It simply USES

Blockchain Technology

Many SCAMs using Blockchain

Mainly in the FinTech Sector:

- Promise high returns
- Various models; e.g. small investment top-up model with money "multiplying"
- Ponzi Schemes: Pyramid framework build downline
- Promising High commission; up to 45%
- Selling a "dream" or business-made-to-fail

Note: Blockchain Technology is not about all these!

Blockchain Technology

hitting the news worldwide!

The Game Changer that will disrupt and impact the world!



China goes bullish on blockchain

Charlie Wood, Business Insider US

October 28, 2019



Chinese President Xi Jinping inspects troops at the People's Liberation Army (PLA) Hong Kong Garrison in one of events marking the 20th anniversary of the city's handover from British to Chinese rule, in Hong Kong Damir Sagolj/Reuters

China's President Xi recently announced to make Blockchain a key technology for China.

























Dubai set to making Dubai into a **Blockchain City!**

Dubai approves three blockchain initiatives

News 20 Aug 2019 by SmartCitiesWorld news team

Dubai Future Council for Blockchain event brought together various government departments and private companies with a vested interest in smart city technologies.







One of the initiatives focuses on Dubai's cryptocurrency positioning

The Dubai Future Council for Blockchain has held a second meeting where three initiatives were presented and approved for 2019.

The council was formed by the Dubai Future Foundation, earlier this year, with the aim of finding innovative solutions for strategic sectors and to forecast their future over the next 50 years.

"WHEN IT COMES TO BITCOIN, I'M NOT SO INTERESTED IN IT MYSELE. WHAT I WANT TO KNOW IS, WHAT CAN BITCOIN BRING TO SOCIETY? AFTER SOME THOUGHT, I MYSELF THINK THAT THE TECHNOLOGY BEHIND BITCOIN IS TREMENDOUS, SO AT ALIBABA AND ALIPAY WE ARE USING IT TO HELP BUILD OUR ROADMAP TO A TRULY CASHLESS SOCIETY." - Jack Ma

European Investment Fund is also focusing on Blockchain and Artificial Intelligence projects.

European Investment Fund to Invest in Blockchain and AI Projects

Asia Blockchain Review

O DECEMBER 1, 2019



The European Commission and European Investment Fund (EIF) has announced that the agencies will be supporting blockchain and artificial intelligence (AI) projects in Europe with a new investment plan.



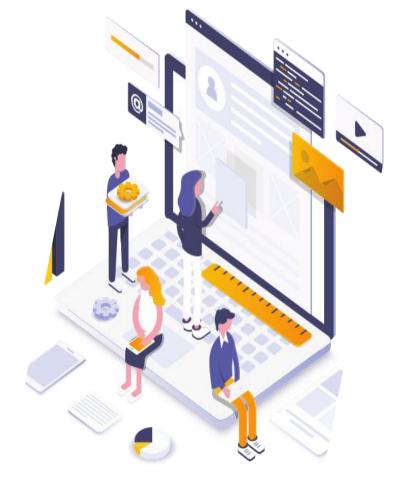
RANK THE TOP 10 COUNTRIES LEADING BLOCKCHAIN TECHNOLOGY IN THE WORLD AND SEE YOUR RANKING WITH ACTUAL 2019



TOP 10 COUNTRIES LEADING BLOCKCHAIN TECHNOLOGY IN THE WORLD

- 1. Australia
- 2. China
- 3. Japan
- 4. United Arab Emirates (Dubai)
- 5. Malta(Europe)
- 6. Switzerland
- 7. USA
- 8. Estonia
- 9. United Kingdom
- 10.Singapore

Understanding
Blockchain
Technology







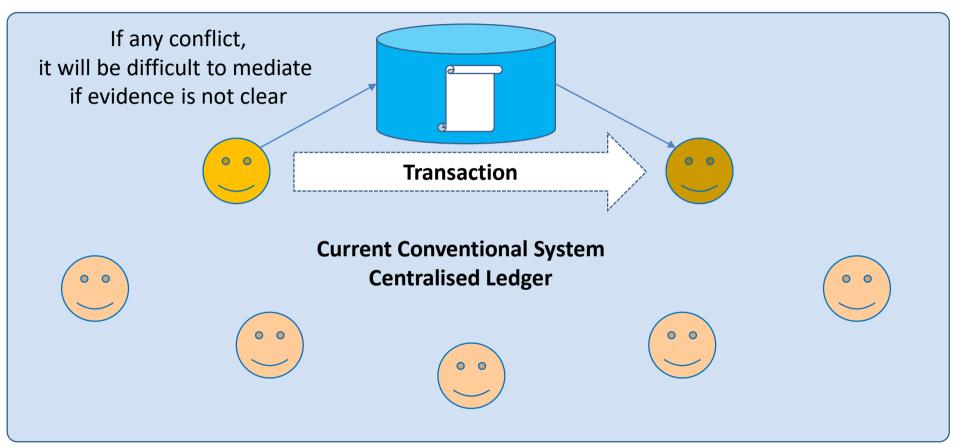
Let's us now go into details on the explanation and understanding of this emerging technology!

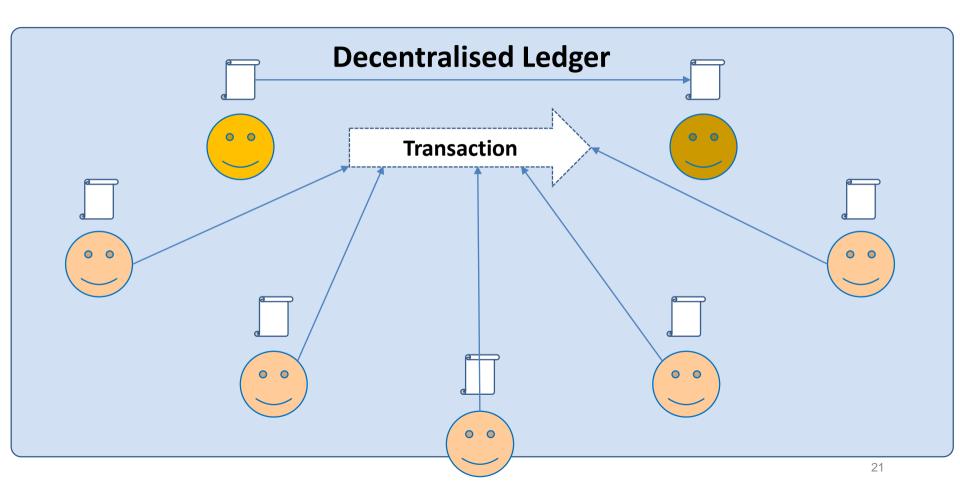
Distributed Ledger Technology (DLT) A collection of data that does not belong to someone and is shared with anyone. Blockchain is a form of DLT which transacts and stores information in blocks.



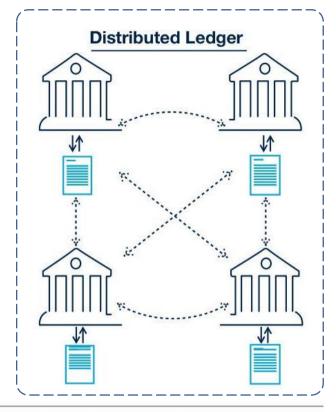
Note:

While ensuring personal data are properly protected





Centralized Ledger High fees Tedious; queue Clearing Slow; paperwork House



Source: Capgemini Financial Services Analysis, 2015; "The Fintech 2.0 Paper: rebooting financial services", Santander InnoVentures, Oliver Wyman, and Anthemis Group, 2015



eCommerce Portal



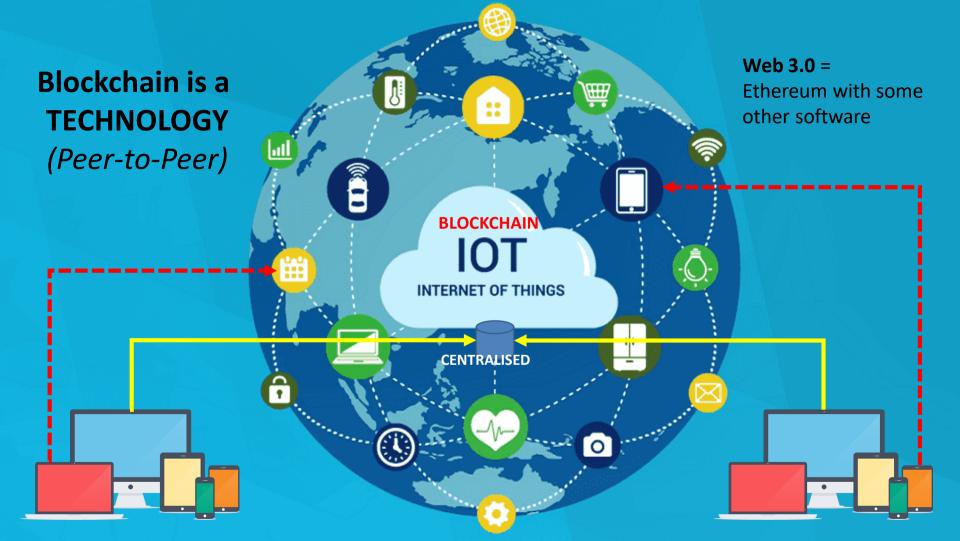
Various Intermediaries

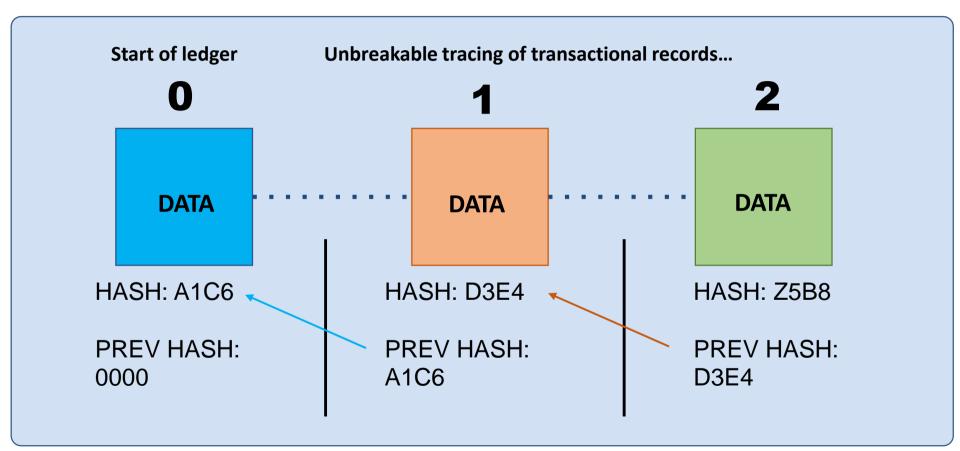


Web 2.0 Technology (Centralised)

Bank Charge Credit Card

Too many intermediaries accessing your banking information

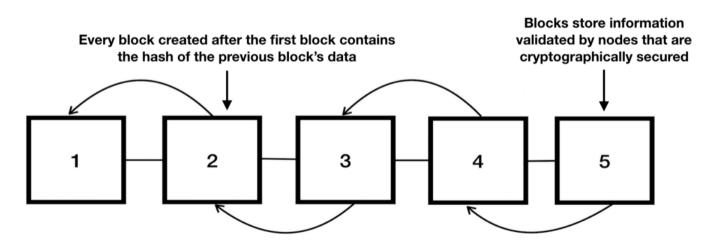




Every node on the system has a copy of the digital ledger. To add a transaction every node needs to check its validity. If the majority thinks it's valid, then it's added to the ledger. This promotes transparency and makes it corruption-proof.

So, without the consent from the majority of nodes, no one can add any transaction blocks to the ledger.

Another fact, that backs up the blockchain features is that, once the transaction blocks get added on the ledger, no one can just go back and change it. Thus, any user on the network won't be able to edit, delete or update it.

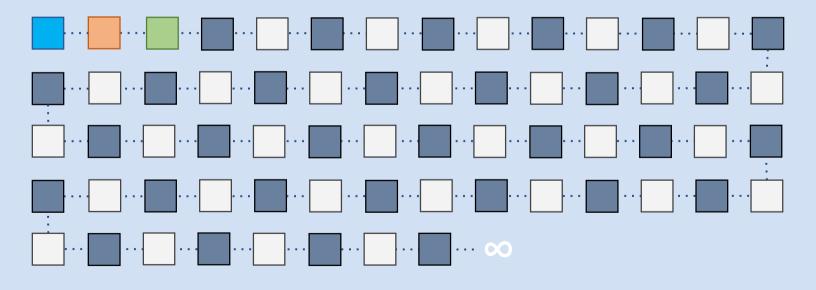


A blockchain is non-recursive append only

A blockchain is a Linked List that consists of Pointers

"When a block is full, a new block will be created to store data and all blocks are linked hence blockchain."

Thus GREAT for banking system



Why It is making an IMPACT

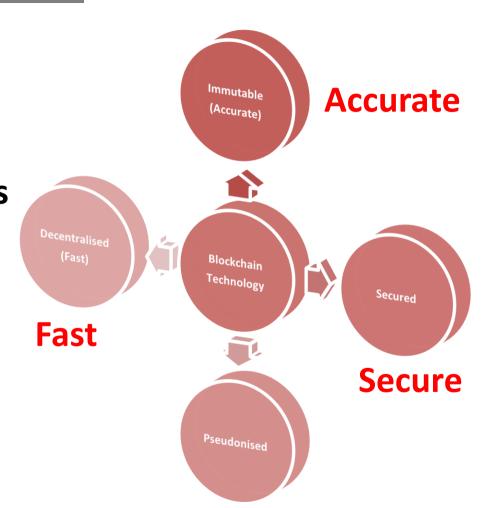


Partner of Morpheus Labs



Blockchain Technology has the following **Integrated Benefits**

Part 1



FAST (Decentralised)

"Data don't have to all go to one central location for processing."

So what does Distributed Ledger or **Decentralised ledger mean in Blockchain?**



Part 1

Fast and Paperless









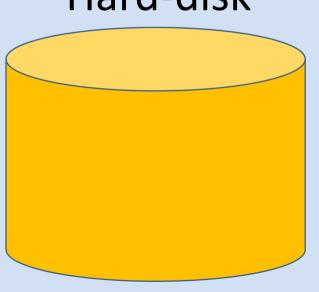
Benefit 2:

Accurate: Data Integrity (Immutable)

"Data exists within a blockchain cannot be change, hence tamper-resistant."

Benefit 2: Accuracy

Hard-disk



In conventional way, files can be changed and you only get a time-stamped.

However, with blockchain, the record is immutable cause it is chained together validated by nodes.

Benefit 3:

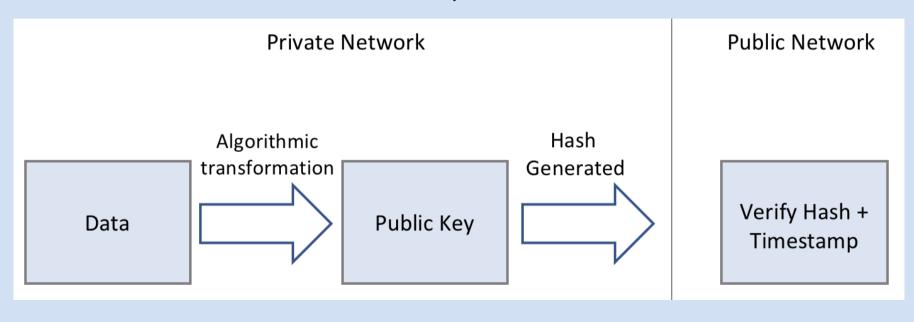
Secured - Enhanced Security

"Copies of same data exists throughout the network and are synchronize in real time."

So how to enhance the security and privacy?

Benefit 3:

Secured - Enhanced Security



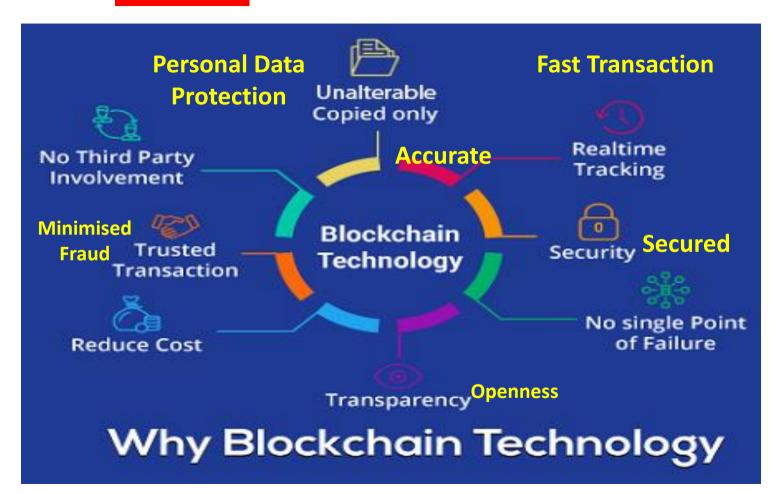
Benefit 4: Pseudonymity

"Legal identities are validated by the network, not necessary to know the actual persons."

Providing Great
Personal Data Protection

Part 2

Part 3





Part 1

What are the benefits of **Blockchain Technology?**



- √ Fast
- ✓ Accurate
- ✓ Secure

Part 03

Various usage
Of Blockchain
Technology



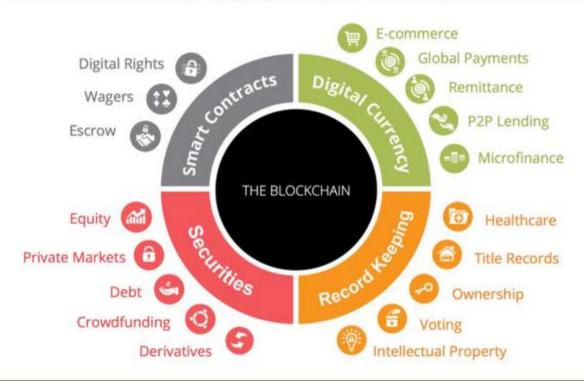


Let us now watch this short video at how Europe is utilising Blockchain Technology for identification, education and other aspects all integrated.



Blockchain Potential Applications & Disruption

The blockchain is radically changing the future of transaction based industries



Assets:

- Financial; insurance, remittance, banking
- Property; estate, antiques, music, arts, etc.
- Logistics

Medical:

Health records

Education:

Qualification authentication

Government:

- Identification
- Voting
- Records; tax, etc.

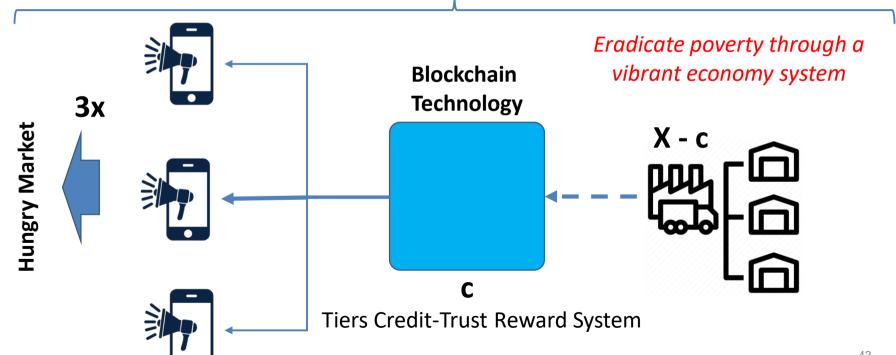
Part 1 Part 2

Part 3 An example:

Micro-Credit System (Suppliers-Retails)

Data Analytics

(Manage Market Saturation)



An example:

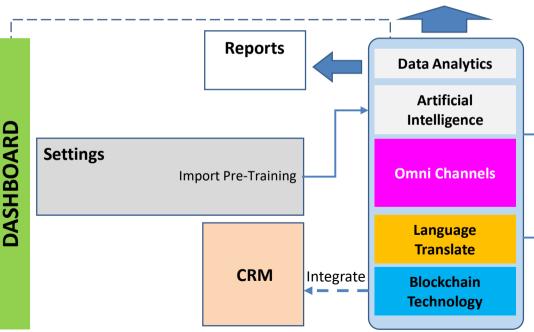
Usage:

- Marketing and Sales
 - Leads Collection
- Leads Follow-up and Nurture
- Support Desk
- Surveys
- Appointment
- Social Learning
- Consultation; Medical, counselling, etc.
- Etc.

Automated Interactive Messaging

Web 3.0 - (The Future of Services Automation)

Big Data Analysis



- Website
- WhatsApp
- WeChat
- Telegram
- Messenger
- Etc.





The Ultimate Trainer's Tool WORLWIDE!



APPLE STORE

GOOGLE PLAY

WINDOWS STORE

"The Trainer's Swiss Knife That He Needs For Each Session!"

User-Friendly

The apps is easy to use. Simple enter the code the trainer gave and you are connected with the features and the trainer! Fast registration and Login with Facebook, Linkedin or Fmail



Free Training

We provide Free training for trainer on how to use the Dashboard to create quizes and use the many features of this amazing application! After you use it, you will not want to conduct training without it anymore!

WWW.QUIZMIC.COM



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Essential Tasks in Training:

- ✓ Attendance taking
- ✓ Poll and survey; understand audience
- ✓ Question & Answer
- ✓ Assessment or trainees
- ✓ Course Evaluation
- ✓ Analytics to understand how audience's knowledge & understanding
- ✓ Assessment of trainers

Note: Motivating trainees involves culture transformation strategy

Quizzes

Attendance Taking

Mentimeter

(Short-Long)

Q&A (Roaming Mic)

Kahoot!

LMS (Link-up) slı.do

Gimkit





What kind of application is **Blockchain Technology suitable for?**



Ledger-type application

SUMMARY





Partner of Morpheus Labs Summary





>Accurate:

> Secure:

About Us



- Former Industrial automation engineer
- Sustainable Community Development Regional trainer and consultant (13 years China)
- Experiential Learning Designer / Facilitator
- WSQ Trainer (ACTA)
- Advanced Certificate PDPA (Operation)
- Franchising Design and Management
- Branding and Marketing (SCMC-TUV-SUD)
- Parenting Mentor (Signpost-KKH)
- Certified Advance Fitness Trainer
- Certified Precision Nutritionist
- Certified Functional Ageing Specialist



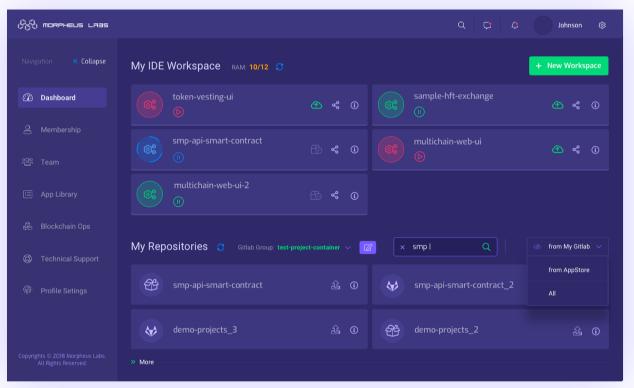
Seek to increase the adoption of Blockchain technology

	Course 1	Course 2	Course 3	Course 4
	Blockchain Aware!	Blockchain Application Conceptualisation	Ideation With Blockchain Technology	Morpheus Labs Console
Purpose	Awareness	Usage Ideas	Ideation	ML: Usage
Learning Objectives	Seeing the potential of blockchain	Initial conceptual idea in using Blockchain Technology	Ideate application with Functionality specification & Technical Specification	Usage of ML console
Duration	2 hr	16hr	21hr	21hr
Target	Public	Business Owners and Operation Personnel	Business Owners and Operation Personnel, and developers	Developers
Prerequisite	NA	NA	NA	Programming ability

About Us

The first of its kind Cloud-based Blockchain Application development console that save time and money!

Application Development Console



The Leading Cloud-based Blockchain Application Development Console

WHAT PEOPLE SAY

One thing that prevents TIBA's community from building blockchain apps is the imperfect UX and high entry barrier of existing platforms. Morpheus Labs makes it easy to start building applications on a number of different chains. Such platforms will be among the main driving forces behind business adoption of blockchain.



Péter Garamvölgyi

Master's, Advanced Computing, Tsinghua University | President of the Tsinghua International Blockchain Association (TIBA)

23,000,000+

Software Developers Worldwide.

- EDC, 2018

109,000+

Blockchain Developers Worldwide.

- ICORATING, 2018

We would like to add the next 100,000

Blockchain Developers by 2022



Solution Design

Helping company look at their challenges, then using Blockchain and other technologies to co-create solutions



Developers are programmers who develop the design.
They are like the fabricators who develop the various parts needed for the design.



Partner of Morpheus Labs



Morpheus Labs

www.morpheuslabs.io

THANK YOU!

Blockchain Application Development Console
(for developers and educational institutions)
Blockchain Technology Application Consultancy
Email: consult@sgventure-consulting.com

www.sgventure-consulting.com