

A TECHNICAL AND PRACTICAL INTRODUCTION TO
BLOCKCHAINS

INTRODUCTION

TECHNICAL

PRACTICAL

LECTURE TEXT AND SLIDES:

- ▶ Blockchain Basics:

<https://medium.com/@akomba/1-2-blockchain-basics-7850d7a703f9>

- ▶ Blockchain Technology Evolution:

<https://medium.com/@akomba/blockchain-technology-evolution-7442659d8a64>

- ▶ ICO Basics:

<https://medium.com/@akomba/ico-basics-3be18a27956b>

- ▶ Token Design:

<https://medium.com/@akomba/token-design-3cfae2ac3e59>

- ▶ Running an ICO:

<https://medium.com/@akomba/running-an-ico-8d27a6ad3c06>

ABOUT ME



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CTO @ Yojee 

#BLOCKCHAIN #LOGISTICS #AI
#COLLABORATIVE ECONOMY

WORKING WITH BLOCKCHAINS SINCE 2013

2014: BUILT AND DEPLOYED BITCOIN ATM

2015: FORKED RIPPLE AND BUILT AN
DISTRIBUTED ASSET MANAGEMENT
SYSTEM

2017: ETHEREUM SMART CONTRACTS FOR
LOGISTICS APPLICATIONS

1. Blockchain basics
2. Blockchain Technology Evolution
3. Ethereum Use cases
4. ICO basics
5. Token Designs
6. Running an ICO
7. Blockchain Architecture Design
8. Ethereum Essential Infrastructure

BLOCKCHAIN BASICS

- ▶ What problem do blockchains solve?
- ▶ Addresses
- ▶ Transactions
- ▶ Blocks
- ▶ Mining
- ▶ A Bitcoin transaction

EVOLUTION OF THE BLOCKCHAIN TECHNOLOGY

- ▶ The vending machine days
- ▶ New use cases
- ▶ Problems with security
- ▶ Problems with implementation
- ▶ The present: Multipurpose blockchains
- ▶ The Future: Web 3.0

ETHEREUM USE CASES

- ▶ Tokens
- ▶ Wallets
- ▶ Exchanges
- ▶ Autonomous Organizations
- ▶ ICOs

ICO BASICS

- ▶ Origins
- ▶ Short history
- ▶ Current Standard Structure
- ▶ Upcoming trends
- ▶ The two parts of the design

TOKEN DESIGN

- ▶ Security vs Utility tokens
- ▶ The problem with payment tokens
- ▶ The need for two tokens
- ▶ Feasible utility tokens: discounts and burn tokens

RUNNING AN ICO

- ▶ Ideal state of the project
- ▶ Preparations
- ▶ ICO token design
- ▶ The standard process – details
- ▶ Single or multi chain?
- ▶ Security, security, security
- ▶ Closing the ICO
- ▶ Exchanges

THANK YOU

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