Certified Blockchain Developer

Course outline

- In-depth introduction to blockchain and bitcoin (keys, UTXO, wallet software, RPC, command line)
- Hands-on practice: bitcoin private testnet; remix & contract writing; ethereum private testnet
- Basic tools - web3 & truffle
- Advanced tools - unit-testing, ganache & zeppelin
- Security concerns & solidity pitfalls
- Advanced topics - casper & plasma

Course objectives

The world's awareness and adoption of blockchain is increasing at breakneck speeds, and the demand for skilled blockchain engineers is exploding. This presents a huge opportunity for developers with the desire to work with Bitcoin, Ethereum and other blockchain protocols.

At the end of the course, participants will be able to:

- Gain a deep understanding of blockchain
- Develop an in-depth technical knowledge of bitcoin and ethereum
- Deploy a blockchain development environment
- Develop a blockchain smart contract confidently
- Understand development best-practices for blockchain
- Build front-end interfaces that interacts with a blockchain, as a decentralised application

Course details
1 week

Certificated by Singapore Management University (SMU)

Who should attend

Software developers who are new to blockchain.

Pre-requisites
None

Tools
Stellar

Model of training
Classroom,
Field trip