

COURSE FACILTATOR: AWARD WINNING TECHNOLOGIST, GIOVANNI DI NOTO
CTO - CLOUDYBOSS PTY LTD & HEAD CONSULTANT GDN CONSULTING

ENTERPRISE BLOCK-CHAIN

MASTER ENTERPRISE BLOCK-CHAIN CONCEPTS AND
LEARN HOW TO CODE YOUR OWN HYPER-LEDGERS



FREE TAKEAWAYS

TRAINING MATERIAL (SOFT COPY) AND CLOUDYBOSS
CBX81 CERTIFICATION PLUS FREE NEXT+ ACCOUNT
INCLUDING SKYE ACCESS (ENTERPRISE BLOCK-CHAIN)
VALUED AT \$365

OPEN TO ALL TECHNOLOGISTS

Course Description

This course covers in-depth and hands-on technical training in block chain coding technics.

It will equip trainees with an in-depth technical knowledge of the base algorithms underpinning enterprise block chain and hyper-ledgers (distributed immutable ledgers).

Considering its in-depth practical hands-on technical content, trainees will be assumed to have solid skills and experience (pre-requisites) in IT fundamentals, cloud coding, data management aspects and baseline knowledge of cryptographic technics (which will be reviewed in any case during the course).

Trainees will ideally possess basic foundations in business management and business technology.

Who should attend?

This course is specifically targeted to software engineers and other IT professionals with a solid coding and data management background who aim to acquire further specialisation in block chain technics with a view to utilise, configure or build block chain solutions for their organisation and that of their clients.

Such responsibilities can be relevant to a wide range of job roles, such as:

- Technically-savvy founders, CEO's, MD's or Top Executives of cloud-based start-up organisations
- CIO/CTO or Head of IT of any organisation, be it enterprise, government institutions or NFP's
- Any technically-savvy professionals seeking a deeper appreciation of block chain use cases
- IT consultants and professionals looking into providing block chain consulting services
- Software engineers at all levels seeking to enhance their block chain coding skills

Prerequisites

Knowledge and experience in cloud coding (any mainstream language) and data management principles
Bring your own computer, including your preferred IDE and mainstream cloud-coding language

Main Learning objectives and key benefits

- Master block chain and related concepts terminology
- Understand possible block chain use cases beyond cryptocurrencies
- Code baseline block chain logic (initialisation, keys management)
- Code baseline block chain multi-node eco-systems (propagation technics)
- Choose, code and apply a variety of cryptographic technics to block chain scenarios
- Code baseline permission-based hyper-ledgers (access vs immutability) and large scale eco-systems
- Learn about Proof of Work technics and how to avoid scaling pitfalls with block chain hyper-ledgers
- Learn about ways to circumvent issues with heterogeneous block chain eco-systems (multi-chains)
- Dive into the fundamentals underpinning upcoming "unchained" hyper-ledger technologies



Agenda

Morning Session

Module 1: understanding block chain technology, history and related concepts

- Demystifying terminology and core concepts underpinning block chain
- Cryptocurrencies, hyper ledgers and enterprise block chains
- Reviewing Satoshi Nakamoto's seminal paper

Module 2: block chain use cases

- Moving beyond cryptocurrencies
- API trivialisations and clusters
- Public registries

Before Lunch Session

Module 3: building a baseline simple first block chain program

- Understanding the baseline block chain logic for keys
- Coding and running your first block chain program
- General discussion on block chain algorithms

Module 4: building a baseline simple block chain eco-system

- Understanding a multi-node eco-system context
- Discussion on data propagation algorithms
- Proof of Work: why, when and how?

Lunch Break

After Lunch Session

Module 5: a crash-course on modern cryptography

- Clarifying terminology and core cryptographic technics
- Block chain cryptography overview
- Coding crypto algorithms

Module 6: building a complex permission-based hyper-ledger

- Use cases and architecture for permission-based hyper-ledgers
- Discussion on permission-based algorithms
- Coding permission mechanics

Late Afternoon Session

Module 7: eco-system scale, performance and integrity

- Technics to ensure block chain integrity
- Pitfalls to avoid in block chain scaling
- The Proof of Work conundrum

Module 8: "unchained" hyper-ledgers

- How to circumvent the heterogeneous block chain meta-system challenge
- Basics in quantum computing and post-quantum cryptography
- "unchained" immutable quantum hyper-ledgers



About Your Facilitator



French-born, Euro-grown, Australian-adopted, with a blend of Mediterranean ancestry and Asian lifestyle, Giovanni Di Noto is a global leader in the cloud economy arena with a cross-disciplinary tertiary background in business, IT and applied sciences and over 3 decades of experience in new technology.

Recipient of prominent industry recognitions (including an Asia-Pacific Innovation Award, Best e-Commerce Award, Best IT implementation Award, Best International Contact Centre Award, Excellence in Talent Management Award and a broader list of nominations and commendations) Giovanni has led brilliant teams of inspiring professionals thriving across many sectors of the hyper-connected world.

In his CTO capacity at cloudyBoss Pty Ltd, Giovanni directly led and oversaw the engineering team who released SKYE, the first commercial mainstream enterprise block chain hyper- ledger engine in 2017.

Giovanni regularly addresses audiences at global summits, national or state conferences, special lectures and briefings on strategic technology management topics at leading universities, professional institutes, executive teams and boards from a wide range of industries.

He was recently bestowed with an “Award For Excellence in Teaching & Learning” for his educational prowess and innovative approach to the design of new academic qualifications in technology.

Awards

Apr 2015 Eldercare Innovation Award | Ageing Asia, Singapore

Oct 2013 Award For Excellence in Teaching & Learning | Northern Sydney Institute

May 2013 Award For Excellence in Human Resources Management |ACS NSW & ACT, Sydney

May 2013 Runner-up Best IT Infrastructure of the Year | ITAC2013 Awards, Melbourne

May 2012 Runner-up State Awards For Excellence | ACS NSW & ACT, Sydney

Apr 2012 Best IT implementation (< 150 beds) | ITAC2012 Awards, Melbourne

Apr 2012 Runner-up Best IT Implementation (150~650 beds) | ITAC2012 Awards, Melbourne

Oct 2008 Award Best Retail Marketing Solution Bronze |POPAI Marketing Awards 2008, Sydney

Aug 2008 High Commendation Award | Federal Privacy Awards 2008, Sydney

Mar 2007 Top 1 Internet Award (Category Internet / IT) | Hitwise Internet Awards 2008, Sydney Oct 2006 Best Contact Centre Award | International Customer Service Professionals, Melbourne

Jun 2006 Award Official Honoree | Annual Webby Awards, New-York

Mar 2006 Best e-Commerce Award | Australian Interactive Media Industry Association, Adelaide

Mar 2006 Best Integrated Campaign | Australian Interactive Media Industry Association, Adelaide

Mar 2006 Runner-up Best Online Advertising Campaign | AIMIA, Adelaide

Mar 2005 Runner-up Asia-Pacific Advertising Award | AdFest, Singapore

Feb 2005 Runner-up Global Interactive Award | Global Interactive Awards 2005, New-York

Feb 2005 Runner-up Internet Award | Hitwise Internet Awards 2005, Sydney

Nov2004 Award Best Interactive Website | Australian Direct Marketing Association, Sydney

May 1995 Young Entrepreneur Award (New technology development)|Italian Government

Sep 1991 Award IT Postgraduate Scholarship (out of 1,800) | European Union, COMETT program



Publications

2017/08 | ICEGOV2018 (UN) | “from block to bloch: scalable digits and qudit-based hyper ledgers”
2017/02 | Department of Foreign Affairs (Australian Government) | “2017 Foreign Policy White Paper”
2016/09 | ICEGOV2017 (UN) | “Transformation model toward city-centered e-government”
2016/08 | online post | “the art of war, from battlefield to farmland”
2016/07 | online post | “will block chain disrupt Kurzweil’s singularity?”
2016/04 | online post | “democracy 3.0 and business certainty”
2016/02 | online post | “a brief history of money”
2015/10 | online post | “from ‘broken lines’ economics to circularity”
2015/08 | fuels and lubes international magazine | “lubricants in the cities of tomorrow”
2015/07 | online post | “should AI be granted legal recognition”
2015/04 | online post | “predicting an upcoming craze for web 4.0 ingestible smart devices”
2014/10 | aged care insite magazine | “uncharted territory”
2008/07 | Griffiths University | “the money-poly conundrum: basis for a decentralized digital currency”

Conference Presentations

2016/09 | Bangkok | 2016 elog (ecommerce logistics) conference | “e-commerce logistics guidelines”
2015/10 | Sydney | building industry forum | “technology and design: a 3-horizons landscape”
2015/05 | Sydney | ACS NSW & ACT | State Conference | “The Big Picture on nano”
2015/03 | Singapore | FLW2015 Global Conference | “Operating in a VUCA environment”
2014/10 | Melbourne | Annual IT Conference | “Toolkit for successful Organizational Transformation”
2014/05 | Sydney | The Northern Sydney Institute Graduation day | “Change Management”
2014/03 | Sydney | IT ACS State conference | “System Integration, The Next Horizon”
2014/03 | Singapore | FLW2014 Global Conference | “Macroeconomic trends downstream oil industry”
2013/03 | Sydney | The Northern Sydney Institute Graduation day | “Mid-term trends in IT”
2012/02 | Sydney | Builder conference | “Automation, System Integration & Robotics in healthcare”
2012/04 | Melbourne | ITAC2012 National conference | “Information Technology in Healthcare”
2011/10 | Sydney | UWS, Advanced Leadership Program | Special Lecture “Mid-term industry trends”
2011/03 | Sydney | UWS, Advanced Leadership Program | Special Lecture “Business Networking”
2009/09 | Sydney | Digi-Tech conference | “OOH Marketing, The Future of Marketing”
2009/02 | Sydney | Consumer Insights Conference | “Insight Management framework”
2009/02 | Melbourne | Monash University, Postgraduate exec program | “Sustainable Supply chains”
2008/12 | Sydney | ANZMAC 2008 international marketing conference | “Transformational marketing”
2008/10 | Sydney | Green Marketing Conference | “A pathway to global sustainability”
2008/08 | Sydney | UWS, Faculty of Business | “Corporate Organizations and enterprise architecture”
2008/07 | Sydney | UWS, Faculty of Marketing | “The 5 V’s of Marketing”
2008/03 | Sydney | IIR & BRW magazine Digital Marketing Summit | “Vertically Integrated Marketing”
2008/02 | Sydney | Marketing Intelligence & Consumer Insights | “Customer macro-trends”
2007/11 | Melbourne | Marketing magazine Digital Marketing Summit | Panel on cloud marketing
2007/09 | Sydney | Online Marketing Summit | “A new type of ‘money can’t buy’ era”
2006/10 | Sydney | Online Marketing Summit | “Ground rules for successful Digital Marketing”
2007/08 | Sydney | Pricing Strategies International Conference | “Client-centered value-based pricing”
2006/06 | Sydney | Consumer Insights Conference | “Client-driven organizations”
2006/05 | Los Angeles | Global CE Conference | “Client-driven organizations”
2006/04 | Tokyo | Global Conference | “Client-driven organizations”
2005/11 | Kyoto | Global e-Commerce summit | “e-Commerce & CRM best practices”
2002/10 | Tokyo | Global Privacy summit | “Corporate Social Responsibility & Privacy Compliance”
1995/05 | Rome | Quality Management Conference | “the quality impasse in software technology”



Results and Testimonials

Giovanni has accumulated a scorecard of hundreds of successful, award-winning and complex client transition projects all delivered on-time or before, on-budget or below, on-objectives or beyond over the past 3 decades. Such achievements resulted in considerable business expansions, productivity gains and costs savings for the organizations and industries he contributed to transform.

PARTIAL LIST OF CLIENTS

Global organisations the likes of Sony, Chevron, IBM, European Union and a myriad of institutional, enterprise and non-profit clients in healthcare, eldercare, food, textile, media, conference, publishing, hospitality, finance, accounting, energy, mobility, fuels, lubricants, chemical and additives industries.

TESTIMONIALS

"GDN backs up his strong strategic vision with the willingness to do what it takes to get the job done properly. He has a history of delivering on world class projects with a focus on strong customer service and enhancing value"

Eric Phu / Vice-President, Tribal DDB Greater China

"GDN provided very creative and pragmatic sounding board for us as we developed Earth Hour in the early days. Giovanni is great to work with and someone capable of navigating complex challenges with creative responses"

Andy Ridley / Executive Director, Earth Hour Global

"Giovanni Di Noto has achieved a lot of excellent outputs regarding web marketing & e-Commerce."

Kaoru Nishimura | Senior General Manager, Seiko

"Giovanni Di Noto's professionalism, outstanding communication skills & dedication were instrumental in successfully managing a benchmark smooth & issue-free implementation. Giovanni will remain a friend of Carrington forever."

Raad Richards / Chief Executive, Carrington Care

"We've engaged Giovanni Di Noto to fully manage all aspects of a complex, sensitive and very challenging transition program within our healthcare organization. The project was successfully delivered before time, below budget and well beyond our wildest objectives. We are amazed and grateful for Giovanni's outstanding performance."

Alexandra Zammit / CEO, Thomas Holt

"Working with Giovanni is truly like working with a modern day business Oracle. His insights, wisdom, attention to detail, innovation and professionalism are all coupled with his deep sincerity and intelligence to make him a remarkable business partner. Experience like his is really beyond invaluable."

Sandy Perilli / President, Folio Fly (USA)

"Giovanni's great energy, enthusiasm and passion for whatever projects he is involved with are outstanding. A tireless & committed worker, he applies his considerable strategic talents to getting the best possible outcome for his clients at all times and his attention to detail, meeting deadlines and finding solutions to seemingly daunting challenges make him a very powerful ally to have on your team."

Stefan Wasinski / Managing Partner, Consulting Well

"Giovanni Di Noto is a very well respected leader who is a pleasure to work and deal with. He has effortlessly held senior roles and has the innate ability to deal with all levels of management, easily and without clutter and fuss."

John Bailey | National Sales Manager, Sony Pictures





Website: www.cloudyBoss.com
Email: info@cloudyBoss.com

