Aw Kai Shin

Personal Website: https://www.awkaishin.com/

Mobile: +65-8187-1604   E-mail: kaishinaw@gmail.com

Profile

Building a more equitable web through decentralised technologies. Left a traditional FinTech role in favour of advancing the digital infrastructure of tomorrow through writing, code, and conversations. I am a strong believer that the individual autonomy enabled by Web3 is set to redefine the social fabric in favour of users and I'm excited to be part of this revolution. As part of my learning, and in an effort to realise this future through education, I regularly publish articles via LinkedIn & Medium as well as concise threads on Twitter.

Career Summary

Freelance   **(Ad Hoc)**

Strategy Consultant, Writer, Education, Development

- Offering specialised services for clients interested in learning more about blockchain/Web3 and the opportunities/disruption for their businesses
- This covers all things Web3 from contextualising macro concepts to backend application development. Services offered

Smartcademy, Singapore   **(Ad Hoc)**

Blockchain Trainer

- Facilitating courses and workshops with a local tech education platform focusing on upskilling working professionals
- Covers key blockchain concepts to enable students to discover opportunities in their specific domain

DBS, Singapore   **(Aug 2020 – Jun 2022)**

Institutional Banking Group Tech – Blockchain Technical Specialist

- Worked with the Capital Markets team to design and implement an application supporting the listing of security tokens and client onboarding to the DBS Digital Exchange.
- Industry project covering the delivery of operations console for Climate Impact X supporting settlement and registrar services for the trading of voluntary carbon credits.
- Involved in the lifecycle of the app from designing & conducting workshops to the management of testing and the final delivery. Responsibility throughout this process stretches across business analysis as well as project management.

IBM, Singapore   **(May 2019 – Aug 2020)**

IBM Cloud – Application Developer & Blockchain Pre-Sales Consultant

- Delivery of hybrid cloud app solutions for clients revolving around IBM Cloud offerings with a focus on blockchain technologies, specifically the Hyperledger Fabric protocol.
- Collaborate with various teams in order to build and sell customised end-to-end software architecture that best meets the client's business requirements.
- Strong focus on microservice design principles in order to help client's in their journey to cloud.

JLL, Singapore   **(Jan 2018 – May 2019)**

Integrated Property Services – Business Intelligence Consultant

- Project management and systems design for various software tools (desktop and mobile) focusing on retail network planning, merger and acquisition, and project tracking.
- The main focus of this role was to effectively understand and translate client requirements and business knowledge into technical specifications for software engineers and vice versa.
- Skills required in this role include UX/UI design, systems architecture, and data analytics.

Media Publications

MONEY FM 89.3 (Radio Interview)   **(Aug 2022)**

- Societal impact of blockchain & cryptocurrencies. Link

CNA938 Money Mind (Radio Interview)   **(Jul 2022)**

- Cryptocurrencies as a form of investment. Link

Gradsingapore (Article)   **(Aug 2022)**

- Blockchain, crypto, and fintech advice for new graduates. Link

Tech Trade Asia (Article)   **(Jul 2022)**

- Blockchain concepts in the business context. Link

Personal Publications (Code Guides)

ERC20 & ERC 721 Using Hardhat: A Comprehensive Guide   **(Aug 2022)**

- Updated guide for creating, deploying, interacting, and testing ERC20 tokens on Goerli testnet. Link
- Updated guide for creating, deploying, interacting, and testing ERC721 tokens on Goerli testnet. Link
- Creating truly decentralised NFTs with IPFS. Link

Bancor3 Smart Contract Guide Series   **(May - Jun 2022)**

- Step-by-step functional walkthrough of the Bancor3 codebase including UML diagrams. Link
- Multiple guides covering: Whitelisting, Pool Creation, Token Deposit, Trades, Token Withdrawals.

Personal Publications (Analysis)

Why Decentralised Identity Matters Series   **(Sep 2022)**

- A macro look at why there is currently a need to reclaim ownership of our own digital identity. Link
- Why decentralised identity will be a key primitive for the internet to avoid hyper-financialisation. Link
- How the future of privacy debates are being redefined by decentralised identity. Link

The Future of Stablecoin Series   **(Jul - Aug 2022)**

- A practical look at various designs and why the future is likely to consist of multiple stablecoins. Link
- How the rise of DEXes will result in a multiple stablecoin future and more equitable outcomes. Link
- A new class of capital efficient stablecoin designs powered by derivatives. Link

Bancor3 Concepts and Tokenomics Series   **(May - Jun 2022)**

- Exploring impermanent loss and how Bancor3 solves this through single-sided staking. Link
- Analysing the market drivers for Bancor3 tokenomics. Link
- A look at the tokenomic incentives surrounding BancorDAO governance. Link

MEV: Miner Extractable Value   **(Jul - Aug 2022)**

- Why such value extraction is possible, the different scalping strategies used and its wider impact. Link

General Web3 & Blockchain Related Analysis   **(Jun 2018 - Ongoing)**

- Project Guardian: Singapore's Attempt At Centralised-DeFi (CeDeFi). Link
- Hyperledger Fabric vs R3 Corda: A Business Perspective. Link
- Blockchain in Facilities Management: Refocusing on the Office Experience. Link

- Why your token is likely a bad investment & why Bitcoin scalability is secondary. Link
- Accountability Not Decentralisation. Link
- Unlocking the internet's potential. Link
- Why Privacy is Key to Personal Growth. Link
- Hardforks: Utopia or Dead-end? Putting a price on free will. Link

- From tech geek to working in tech: A blockchain perspective. Link

Education

University College London   **(Sep 2013 – Aug 2016)**

BSc Urban Planning & Real Estate 2:1

Awarded **Departmental Prize 2013-14** for being the highest achieving student in the first year of the Bartlett School of Planning BSc programmes

Anglo-Chinese School (Independent)   **(Jan 2009 – Nov 2012)**

International Baccalaureate 2012

Aggregate Score: 37 (PME HL) + 2 (B in Economics Extended Essay and Theory of Knowledge) = 39 points

- Attended ACS (Independent) under a **School Based Scholarship**

Certifications

IBM Blockchain Consulting   **(May 2019)**

- Advise an organization considering adopting blockchain using blockchain principles

Blockchain for Professionals – B9lab   **(Nov 2018)**

- Understand the technical foundations of public and permissioned blockchain technology
- Assess blockchain protocols and apply theory to use cases and business strategies

Blockchain for Technical Executives and Analysts – B9lab   **(Dec 2017)**

- Understanding how the technology functions, smart contracts and both the technical and social frameworks related to blockchain technology.
- Covers the major cryptocurrencies and platforms in depth and provides an overview of many other protocols both in public and managed networks.

Ethereum and Solidity: The Complete Developer's Guide – Udemy   **(Aug 2018)**

- Technologies covered: Solidity, Web3, React Integration

Red Hat Delivery Specialist – Container Platform Deployment   **(Jan 2020)**

- Describes the technical architecture, OpenShift web console, CI/CD and pipelines using RHOS CP 4
- Deploy and manage applications on RHOS Container Platform using li and YAML manifests
- Common post-installation customization tasks for OpenShift, including authentication, authorization, quotas, and limits

Red Hat Sales Engineer Specialist – Container Platform (OCP 4)   **(Jan 2020)**

- Describe RHOS, define how industry trends have created a need for RHOS, and describe IT challenges RHOS solves, Identify Prospects, Describe how to position Red Hat portfolio

IBM Cloud Private Infrastructure and Architecture   **(May 2019)**

- Understand architecture and infrastructure requirements for deploying microservices-based cloud native applications on IBM Cloud Private

The Advanced Web Developer Bootcamp – Udemy   **(Apr 2018)**

- Technologies covered: React, Redux, D3, ES2015-17, CSS Animations, Advanced JavaScript

The Web Developer Bootcamp – Udemy   **(Feb 2018)**

- Front-end technologies covered: HTML5, CSS3, JavaScript, Bootstrap, jQuery
- Back-end technologies covered: NodeJS, ExpressJS, MongoDB, Authentication & Authorization

Other Skills

- Experienced Microsoft Office Suite and Atlassian Confluence & Jira user

References available upon request