

PHUWANAI THUMMAVET

BLOCKCHAIN SECURITY RESEARCHER

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https://medium.com/@serial_coder



<https://github.com/serial-coder>

PROFILE SUMMARY

A lead smart contract auditor with over two years of experience in reviewing and analyzing smart contract code to identify potential security vulnerabilities and flaws in the contract's logic. I am seeking a new auditor position.

Besides my expertise in the Ethereum domain, **I gained over four years of experience as a developer and consultant in Hyperledger Fabric**, a private/enterprise blockchain. Furthermore, **I got over ten years of experience in Back-end programming** (using JavaScript, Python, Golang, etc.).

PROFESSIONAL SKILLS

- Code reviewing and analyzing
- Technical consulting
- Report/article writing
- Software design and development
- Technical research
- Team management
- Bilingual communication (Thai/English)

TRANSFERABLE SKILLS

- Attention to detail
- Adaptability
- Analytical skills
- Collaboration
- Decision-making
- Problem-solving
- Self-taught

EDUCATION

Master of Engineering (Computer Security) Prince of Songkla University (Hat Yai, Thailand)	2011 – 2015
Internship (Research on Next Generation Internet (IPv6)) National Ilan University (Yilan, Taiwan)	2008 – 2008
Bachelor of Engineering (Computer Network) Prince of Songkla University (Hat Yai, Thailand)	2006 – 2010

WORK EXPERIENCE

Lead Blockchain Security Auditor and Consultant

Jun 2021 – Nov 2023

Valix Consulting (Bangkok, Thailand)

- Building the audit team from scratch
- Designing and developing the audit procedures for the company
- Designing and developing software and tools internally used by the audit team
- Being a top-tier smart contract security auditor
 - **My public audit reports** (<https://www.serial-coder.com/misc/my-smart-contract-audit-reports-and-consultations-at-valix-consulting>)
The numbers of issues listed below were counted on my public audit reports only.
 - **Critical issues: 16**
 - **High issues: 53**
 - **Medium issues: 72**
 - **Low issues: 62**
 - **Informational issues: 44**
 - **Total (public) issues: 247** (Last updated: Feb 9, 2024)
- Being a top-tier blockchain technical consultant
 - **Consulting about the security and general programming best practices for:**
 - **Smart contracts**
 - **Off-chain Web3 components** include front-end and back-end services, event/data consumers, etc.
- Managing all technical aspects of the company
- Researching and investigating hack/exploit cases for internal knowledge sharing
- Researching new blockchain technologies for internal knowledge sharing
- Writing the company's Medium articles
 - **Hack Analysis Articles** (https://medium.com/@serial_coder/list/my-definftgamefi-hack-analysis-articles-0cb6b2e9ca11)
 - **Series: Solidity Security By Example** (https://medium.com/@serial_coder/list/solidity-security-by-example-series-6f59233bd86a)
- Performing public speaking

Chief Technology Officer

Sep 2020 – Sep 2021

GridWhiz (Thailand) Co., Ltd. (Bangkok, Thailand)

- Managed teams of software developers
- Designed and developed the company's software and tools (in the energy field)
- Consulted technical solutions to clients and internal teams
- Performed internal knowledge-sharing sessions

Blockchain Architect and Developer

Sep 2020 – Sep 2021

GridWhiz (Thailand) Co., Ltd. (Bangkok, Thailand)

- Was a lead blockchain developer
- Designed and developed a blockchain-based energy trading platform; the platform was built on top of the Hyperledger Fabric (private/enterprise blockchain)
- Consulted blockchain-based technical solutions to clients and internal teams

Blockchain and Backend Developer (Part-Time)

Sep 2018 – Sep 2021

KULAP (Bangkok, Thailand)

- Designed and developed software based on both the Hyperledger Fabric (private/enterprise blockchain) and Ethereum (public blockchain)
- Designed and developed off-chain smart contract data aggregation tools using The Graph
- Consulted blockchain-based technical solutions to clients and an internal team
- Wrote the company's Medium articles
- Performed public speaking

Blockchain Architect and Full-Stack Developer

Jun 2017 – Aug 2020

G-ABLE Group (Bangkok, Thailand)

- Was a lead blockchain developer
- Managed a team of software developers
- Designed and developed blockchain-based software (using the Hyperledger Fabric; private/enterprise blockchain) for clients
- Consulted enterprise blockchain-based technical solutions to clients
- Performed internal knowledge-sharing sessions
- Performed public speaking

EXTRACURRICULAR

Personal Website, <https://www.serial-coder.com>

- The website gathering almost all my publications

Personal Medium, https://medium.com/@serial_coder

- Gathering my blockchain-related articles, with 636 followers (*Last updated: Feb 9, 2024*)

GitHub Repo: "Solidity Security By Example",

<https://github.com/serial-coder/solidity-security-by-example>

- Published 13 vulnerability issues, with 147 stars and 31 forks (*Last updated: Feb 9, 2024*)

Co-Founder and Admin, Facebook page: "Blockchain Security Thailand",

<https://www.facebook.com/groups/2506416166158656>

- The largest group of blockchain security learners in Thailand, with over 1,000 members (*Last updated: Nov 8, 2023*)

Group Expert, Facebook page: "Blockchain Developer Thailand",
<https://www.facebook.com/groups/879466468887478>

- The largest group of blockchain developers in Thailand, with over 20,000 members
(*Last updated: Jun 9, 2023*)

Completed the Ethernaut CTF

- Solved 29 out of 29 levels (*Last updated: Jun 9, 2023*)