

# Sirawit Techavanitch

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## EDUCATION

### University of the Thai Chamber of Commerce

Phd. in Computer Engineering and Financial Technology;

### University of the Thai Chamber of Commerce

B.Sc. in Computer Engineering and Multimedia; **GPA: 3.62/4.00 (First-Class Honors)**

Bangkok, Thailand

Aug 2023 – Present

Bangkok, Thailand

May 2017 – Nov 2020

## SKILLS

**Languages:** C/C++, Java, Python, Go, JavaScript, TypeScript, SQL, Solidity, MATLAB

**Technologies:** Node.js, React.js, Vue.js, Hardhat, Ethereum, Bitcoin, Hyperledger, MySQL, MongoDB, Git, Docker, Cloud Services, Argo-CD, Ansible, Helm, Kubernetes, Kafka, RabbitMQ, TensorFlow, Keras, Jupyter Notebook, Google Collab, RISC-V, Arduino, RaspberryPi, Linux includes (RedHat, Fedora, Arch, Manjaro, Ubuntu, Debian)

**Methodologies:** Agile, Scrum, DevOps, CI/CD

## EXPERIENCE

### Kiawri Labs

Founder, Software Engineer

Nov 2024 – Present, Part-time (Remote)

- Contributing an Open source software.

### Entronica Co.,Ltd

Software Engineer

Bangkok, Thailand

Jul 2024 – Aug 2025, Full-time

- Design and develop application-specific blockchain for the next-gen loyalty program use case.
- Design and develop an efficient solution for creating a CDRs billing system with blockchain and smart contracts.
- We successfully translated the multi-signature concept into a bilateral agreement and created a high-level syntax that even developers unfamiliar with smart contract programming could use.

### Hellfire Security

Cybersecurity Engineer

Chicago, Illinois

Apr 2023 – Jan 2024, Part-time (Remote)

- Demonstrate the exploit on the blockchain application.
- Develop a smart contract library for Incident Response (IR).
- Operate and maintain a public blockchain network node.

### TMB Thanachart Bank PCL

Senior IT Audit Associate

Bangkok, Thailand

Jan 2023 – Jul 2023, Full-time

- Implemented Robotic Process Automation (RPA) for the Continuous Control Auditing (CCA) Project resulted in a reduction of man-days from approximately 90 days of manual process to less than a day, area of working IAM, RBAC, CBS legacy teller system, CMDB/CMS.
- Analysis of problems and incidents for process improvement in the Advisory Project.

### Bitkub Capital Holding Group Co.,Ltd

Senior Security Engineer

Bangkok, Thailand

Aug 2022 – Oct 2022, Full-time

- Audited and analyzed the smart contract source code to ensure security and compliance.
- Carried out reverse engineering on blockchain applications to pinpoint potential vulnerabilities.

### Bitkub Online Co.,Ltd

Senior Risk Advisory Associate

Bangkok, Thailand

Jan 2022 – Aug 2022, Full-time

- Involved in auditing blockchain applications.
- Responsible for reproducing and documenting exploit scenarios for blockchain applications in order to enhance security measures.

### Advanced Info Service PCL

Programmer Analyst

Bangkok, Thailand

Aug 2020 – Jan 2022, Full-time

- Developed backend components for various projects, focusing on scalability and efficiency.
- Performed manual API testing.

## PROJECTS

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### **ERC-7858: Expirable NFTs and SBTs** | [Ethereum Improvement Proposals](#)

- Non-fungible (NFT) and soulbound (SBT) tokens with expiration, supporting time-limited use cases.

### **ERC-7818: Expirable ERC20** | [Ethereum Improvement Proposals](#)

- An ERC-20 extension for creating fungible tokens with expiration, supporting time-limited use cases.

### **Chronograph EVM** | [GitHub](#)

- Explores the design of a 10,000 baht digital wallet by applying relevant ethereum standards, including ERC-6372 and ERC-7818.

### **Expirable ERC20 UTXO Token** | [GitHub](#)

- Token with the UTXO model and an expiration mechanism.

### **Tuning Your Smart Contract** | [Medium](#)

- Optimize your smart contract with a solidity optimizer in the right way.

### **PRNG with Signed Message** | [Medium](#)

- Pseudo Random Number Generator (PRNG) with signed message.

## CERTIFICATES

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### **Crypto Currency Certification Consortium (C4)**

- Certified Bitcoin Professional (CBP) | [Certificate](#)
- Certified Ethereum Professional (CEP) | [Certificate](#)

### **The Linux Foundation**

- LFS176x: Besu Essentials: Creating a Private Blockchain Network | [Certificate](#)

## KEY COMPETENCIES

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Integrity, Ethics, Researching and Investigating, Personal Motivation

## INTERESTED

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Philosophy, High Fidelity Audio, Japanese Cuisine, Politic