



# CHHOUK TITPANHARA

CYBERSECURITY ANALYST & FULL STACK DEVELOPER

## CONTACT

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## SKILLS

### CYBERSECURITY & SOC OPERATIONS

- Security Operations Center (SOC) Monitoring
- SIEM Monitoring & Log Analysis (Wazuh)
- Threat Detection & Incident Response
- Vulnerability Assessment & Risk Analysis
- Digital Forensics & Cyber Investigation
- Security Governance & Asset Management
- Blue Team Operations
- Cybersecurity Compliance & Security Best Practices
- DevSecOps Implementation

### PROGRAMMING & DEVELOPMENT

- Next.js Development
- React.js Development
- GraphQL API Development
- Ruby on Rails Development
- JavaScript / TypeScript
- PHP Development
- RESTful API Integration
- Full Stack Web Development
- CMS Development
- Front-End Development
- Backend System Development

## ABOUT ME

Experienced Next.js developer with over 9 years of experience building modern, scalable web applications using NextJS, NodeJS, and NestJS. Currently serving as a Cybersecurity Analyst and SOC Team Lead at the Ministry, leading security monitoring, incident response, and threat analysis to protect critical systems. Combines strong software development expertise with cybersecurity operations to build and maintain secure digital solutions

## EDUCATIONS

- Bachelor Of Computer Science** 2015 - 2019  
*Royal University Of Phnom Penh*
- Deploma Of Web Design & Development** 2016 - 2020  
*ITstep Academy*
- High School** 2008- 2009  
*Sisowath High School*

## PROFESSIONAL DEVELOPMENT

- Strategic Cybersecurity Management & Digital Asset Governance (Mapping: CISSP, CISM and CCISO)** 2026  
*Ministry of Post and Telecommunications Cambodia*

Participated in the Strategic Cybersecurity Management & Digital Asset Governance course, focusing on cybersecurity governance, digital asset protection, risk assessment, and security management practices mapped to CISSP, CISM, and CCISO frameworks.

## **INTERNATIONAL CERTIFIED**

- Certified SOC Analyst
- Certified Computer Hacking Forensic Investigator
- Cybersecurity And Cyber Forensics

## **LANGUAGE**

Khmer & English

### **EC-Council Certified Incident Handler (ECIH)**

**Ministry of Post and Telecommunications  
Cambodia**

Successfully completed the EC-Council Certified Incident Handler (ECIH) training, gaining practical skills in cybersecurity incident handling, threat analysis, containment, eradication, recovery, and incident response management.

### **Guidance for CSIRT Formulation And Incident Handling**

**Ministry of Post and Telecommunications  
Cambodia**

Successfully completed the training course "Guidance for CSIRT Formulation and Incident Handling" in Phnom Penh, Cambodia, gaining knowledge in establishing Computer Security Incident Response Teams (CSIRTs) and managing cybersecurity incident response processes.

### **① Certified SOC Analyst (CSA) 2025**

**Ministry of Post and Telecommunications  
Cambodia**

Developed skills in security monitoring, SIEM analysis, threat intelligence, and Security Operations Center (SOC) procedures.

### **Blue Team Exercise for the Improvement of CSIRT Services under the Government Organization and the Critical Information Infrastructure Operator**

**Ministry of Post and Telecommunications  
Cambodia**

Successfully completed the Blue Team Exercise for the Improvement of CSIRT Services, enhancing practical skills in cybersecurity defense, incident response coordination, threat detection, and protection of critical information infrastructure.

### **Certificate Course in Cyber Security and Cyber Forensics**

**Institute of Digital Governance of Cambodia  
Academy of Digital Technology (CADT)**

Participated in the Strategic Cybersecurity Management & Digital Asset Governance course, focusing on cybersecurity governance, digital asset protection, risk assessment, and security management practices mapped to CISSP, CISM, and CCISO frameworks.

## **Cyber Drill and Incident Response Exercise**

***Ministry of Post and Telecommunications  
Cambodia***

Participated in simulated cybersecurity incident response and cyber defense exercises to strengthen practical response capabilities.

## **Cybersecurity Drill & Exercise**

### **Participation**

***Ministry of Post and Telecommunications  
Cambodia***

Participated in national cybersecurity simulation exercises focused on incident handling and cyber resilience improvement.



## **CyberOps Associate**

**2024**

***Institute of Digital Governance of Cambodia  
Academy of Digital Technology (CADT)***

Participated in the Strategic Cybersecurity Management & Digital Asset Governance course, focusing on cybersecurity governance, digital asset protection, risk assessment, and security management practices mapped to CISSP, CISM, and CCISO frameworks.

## **Computer Hacking Forensic Investigator Training Course**

***Ministry of Post and Telecommunications  
Cambodia***

Completed professional cybersecurity operations training covering security monitoring, defense techniques, and operational security practices.

## **Introduction to Cybersecurity**

***Cisco Networking Academy***

Learned cybersecurity fundamentals, online safety, cyber threats, and organizational security best practices.

## **Junior Cybersecurity Analyst Career Path**

***Cisco Networking Academy***

Completed hands-on training in network security, vulnerability assessment, incident response, and cybersecurity operations.

## **CC Course Pre-assessment**

***ISC2***

Validated foundational cybersecurity knowledge including security principles, risk management, and cyber defense concepts.

## **Blockchain Technology Application in e-Government**

### ***Asian Productivity Organization***

Learned blockchain implementation concepts, digital governance applications, and secure distributed technology solutions.

### ① **Cyber Bootcamp Program – Cambodia** **2023**

#### ***Australian National University***

Participated in intensive cybersecurity and cyber resilience training focused on regional security challenges and digital defense strategies.

### ① **Development of Web Projects Diploma** **2016**

#### ***Computer Academy STEP***

Built practical skills in full-stack web development, database management, frontend design, and backend application development.

## **EXPERIENCES**

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### ① **DevSecOps Engineer &** **2026**

#### **Infrastructure Security Lead**

##### ***Ministry Of Commerce***

Implemented DevSecOps practices with CI/CD pipelines to improve secure software delivery and deployment processes. Prepared IT asset management planning and security governance strategies for digital infrastructure across the Ministry of Commerce.

#### **Cloud Storage & Infrastructure Engineer**

##### ***Ministry Of Commerce***

Designed and developed the MOC Object Storage platform to centralize file management, improve secure data storage, and support scalable digital services across ministry departments.

#### **Full Stack Developer – E-Library Management System**

##### ***Ministry Of Commerce***

Built and managed an E-Library Management System for the Trade Training and Research Institute, enabling digital document management, research access, and knowledge-sharing services.

## **Lead Full Stack Developer – Commercial Law Library Platform**

### ***Ministry Of Commerce***

Developed and maintained the Commercial Law Library website and management system for the Department of Legal Affairs, providing centralized legal resources and digital document administration.

## **SOC Monitoring & SIEM Security Analyst**

### ***Ministry Of Commerce***

Performed continuous security monitoring using Wazuh SIEM, including threat detection, log analysis, incident investigation, vulnerability monitoring, and cybersecurity response operations for ministry systems.

## **Secure Docker deployment CLI for modern applications (Pongreay)**

### ***Own Projects***

Pongreay simplifies the process of building, uploading, and deploying Docker containers to remote servers via SSH. It includes built-in safety checks, health monitoring, and automatic rollback capabilities.

github: <https://github.com/Panhara28/pongreay>

## ① **FTA Document Management System** **2025**

### ***Ministry Of Commerce***

Participated in the implementation and operation of the FTA Document Management System, supporting document digitization, workflow automation, records governance, and secure information management.

## ① **Building Website, Content Management System and Statistical Analytic System, Ministry Of Commerce** **2023**

### ***Ministry Of Commerce***

As a skilled web developer, I have experience in building custom websites and developing content management systems, administration automation systems, and statistical analytic systems. I have successfully developed and implemented these systems for a wide range of clients.

## ① **Design System Administration Automation System, Ministry Of Commerce** **2023**

### ***Ministry Of Commerce***

Consultant with expertise in designing and developing administration automation systems Skilled in system design and development, with a focus on optimizing operations

③ **Front-End Web developer** **2021**  
**MEDIALOAD (CAMBODIA) CO., LTD.**

Working as front end developer for 1 years, Contributing with Khmerload and Also L192 Project and also a UI & UX designer

**Building 21st ASEAN Coordinating Committee  
on Electronic Commerce Meeting**

*Ministry Of Commerce*

As a project manager and web developer, I was responsible for building the 21st ASEAN Coordinating Committee on Electronic Commerce Meeting website.

③ **Building Tsportcambodia.com** **2018**  
**E-commerce Project**

I played a key role in developing and implementing the company's e-commerce platform. My responsibilities included project management, website design, and back-end administration automation.

③ **Ruby On Rail Developer** **2017**  
**Start Up E-commerce Platform**  
**Loyosja.com**

E-commerce platform loyosja.com as ruby on rails developer for 1 years

③ **Front End Developer** **2015 - 2016**  
**AI solution**

Internship as front end developer for 1 years, Building a content management system with Ruby On Rails

## REFERENCES

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**Mr. OU Phannarith**

Director of ICT Security MPTC

Phone: 092335536