

# WITTAWAT NA RANONG

## Contact:

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## Profile Summary

A results-driven IT Director with over 15 years of leadership experience specializing in IT infrastructure, cybersecurity, and application development. Recognized for driving innovation, operational efficiency, and delivering large-scale projects from conception to completion. Proficient in aligning IT strategies with business objectives, managing cross-functional teams, and enhancing performance through cutting-edge technological solutions.

## Key Achievements

- **Nationwide Project Leadership:** Spearheaded the implementation of a mobile phone number registration system across Thailand for a leading telecommunications company.
- **Security Innovation:** Developed a robust brand protection by security labeling for a global security networking company.
- **Manufacturing Efficiency:** Developed and deployed a security and time attendance management system for a large-scale manufacturing plant, significantly improving operational efficiency.
- **Payment Systems Expertise:** Led the creation of a contactless e-purse system, integrating stored value cards with electronic data capture (EDC) terminals.
- **Financial Security:** Delivered a complex credit/debit card personalization project, meeting stringent financial security standards.

## ***Professional Experience***

### **THAI BRITISH SECURITY PRINTING PCL →PLUS TECH INNOVATION PCL.**

#### **IT Director**

**Jun 2019 - Jan 2021**

- Led a team of 40+ IT professionals, overseeing IT operations across multiple sites in ASIAN, including infrastructure, applications, and cybersecurity.
- Ensured compliance with ISO 27001 and VISA/MasterCard security standards, leading audits and driving remediation efforts.
- Developed a cloud-based subscription authentication and tracking service on AWS, integrating advanced security labeling.
- Managed the migration of ERP systems (SAP, Microsoft Dynamics AX) and HR systems, achieving improved operational efficiency with minimal downtime.
- Collaborated with C-level executives to develop IT budgets, forecasts, and resource allocation strategies, aligning IT initiatives with corporate goals.
- Pioneered new business opportunities in smart factoring and IT solution.
- Enhanced server infrastructure with VMware virtualization.

#### **IT System Development Manager**

**Jun 2014 - May 2019**

- Led a team of 15 engineers to develop and implement critical software solutions, including financial smart card personalization, efficient mailing systems, advanced security printing, and automated manufacturing processes.
- Designed and deployed a mobile/web e-registration system using ID card authentication, streamlining user registration processes.
- Enhanced brand protection by developing a robust web-based platform for security label manufacturing. This integrated system streamlined label ordering, production, and inventory management, serving global contract manufacturers and significantly reducing the risk of counterfeit products.
- Implemented IoT solutions in manufacturing using MQTT protocol and developed inspection and product matching systems with engineers.
- Deployed a warehouse management system using UHF RFID technology.
- Streamlined production efficiency by integrating manufacturing time sheets with time and attendance data.

#### **R&D Team Lead (Software Development)**

**Oct 2006 - May 2014**

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- Directed the development of a contactless e-purse system integrated with a loyalty program, improving customer retention and transaction efficiency.
- Developed an RFID-based warehouse solution, optimizing inventory management and operational efficiency.

## **THAI CRT CO. LTD**

### **R&D Engineer**

**Apr 1996 - Sep 2006**

- Designed and developed Cathode Ray Tubes (CRT) using finite element methods.
- Created a photolithography mathematical model for CRTs using MATLAB/MATHCAD.
- Served as the R&D server administrator, ensuring the reliability and security of critical IT infrastructure.

### ***Training and Certifications***

- **Management Development Program**, Wharton University
- **Risk Management**
- **Java Card Training**, NXP
- **Leader as Coach**

### ***Skills***

- **IT Strategy & Planning**
- **Project Management**
- **Team Leadership & Development**
- **Object-Oriented Programming:** C, Java, Node.js, JavaScript
- **SQL**
- **Cryptography & Key Management**
- **Hardware Security Module**

### ***Education***

- **Bachelor's Degree in Electrical Engineering**, Chiangmai University (1992-1996)
- **Bachelor's Degree in Economics, Sukhothai Thammathirat University (1997-2000)**

### ***Language Proficiency***

- **English:** TOEIC Score: 910 (Listening: 490, Reading: 420)