

TYE KHAN REN

VAPT Analyst | Penetration Tester | Security Researcher

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Subang Jaya, Selangor, Malaysia

PROFESSIONAL SUMMARY

Offensive security professional with 3+ years of defensive SOC experience, providing a unique attacker-defender perspective for vulnerability assessment and penetration testing. Currently serving as Associate, Cyber Assurance at vCyberiz, conducting VAPT engagements across web applications, networks, and cloud environments. Certified Ethical Hacker (CEH) with hands-on training in web application testing, network enumeration, SQL injection, and exploit development. IEEE-published AI security researcher and developer of a self-built Threat Intelligence Platform.

CORE VAPT COMPETENCIES

Web Application Testing Network Penetration Testing SQL Injection Vulnerability Assessment
OSINT & Reconnaissance Password Cracking Malware Analysis Threat Intelligence Social Engineering Awareness
Burp Suite Nmap Hashcat Metasploit OWASP Top 10 MITRE ATT&CK

WORK EXPERIENCE

Associate, Cyber Assurance

May 2026 – Present

vCyberiz, Kuala Lumpur

- Conduct Vulnerability Assessment and Penetration Testing (VAPT) engagements across web applications, network infrastructure, and cloud environments for enterprise clients
- Perform IT security assessments including security risk assessments, network infrastructure reviews, system configuration reviews, and information security policy evaluations
- Evaluate and analyse threats, vulnerabilities, impact, and risk discovered during security assessments — producing comprehensive technical reports with actionable remediation guidance
- Support vCyberiz's AI-driven 6A methodology (Assess, Analyse, Advise, Adopt, Adhere, Accelerate) to deliver structured and measurable security fortification outcomes for clients
- Collaborate with engagement teams and clients to tailor penetration testing scope, advise on security strategies, and support remediation validation efforts

Cybersecurity Analyst — SOC (Shift Lead)

May 2023 – Apr 2026

Delta Spike Asia Sdn Bhd, Kuala Lumpur

- Gained in-depth attacker perspective through 3+ years monitoring real-world intrusions, malware campaigns, and exploit attempts across 10+ enterprise client environments
- Analysed and reverse-engineered malware samples and attack patterns to understand threat actor TTPs aligned with MITRE ATT&CK framework
- Engineered custom Correlation Rules and XSOAR automation playbooks — translating offensive knowledge of attack chains into defensive detection logic
- Developed Azure AI-integrated Power Automate playbook for automated multilingual report translation, reducing manual effort by ~70%
- Served as Shift Lead and Overseas Program Trainer — managed incident escalation and delivered security training to international teams

IT Technician

Jun 2019 – Aug 2019

Rakan Jaya Hardware

- Performed hardware upgrades and gained foundational hands-on experience with system infrastructure and SQL Server

SECURITY RESEARCH & PROJECTS

AIURLGuard — IEEE Published Research | *Journal: IEEE Access, March 2026*

- Co-developed a novel Hybrid Heuristic + LLM-based framework for intelligent, explainable detection of malicious and phishing URLs — directly applicable to web application security testing
- Research involved deep analysis of URL-based attack vectors, phishing techniques, and evasion methods used by threat actors

Self-Built Threat Intelligence Platform

- Built a full-stack TI Platform integrating VirusTotal, AbuseIPDB, AlienVault OTX, URLScan, Hybrid Analysis, Criminal IP — used for OSINT, IOC enrichment, and pre-engagement reconnaissance
- Features include one-click IP/Domain/Hash/URL analysis, DNS & WHOIS lookup, CVE tracking, and Dark Web news monitoring

Hack The Box Academy — Penetration Testing Training

- Completed hands-on offensive security modules: Penetration Testing Process, Network Enumeration with Nmap, SQL Injection Fundamentals, Web Attacks, Vulnerability Assessment, Information Gathering (Web Edition), Login Brute Forcing, Cracking Passwords with Hashcat

SPEAKING ENGAGEMENTS

- Invited Speaker — SherpaSec Cybersecurity Community Meetup, Sunway University (Jun 2024): Presented 'The Critical Role of SOC in Modern Cybersecurity'
- Industry Panelist — SDS 2nd Lecture Series, Sunway College (May 2024): Shared insights on bridging academic and real-world cybersecurity practice

EDUCATION

BSc (Hons) Information Technology — Computer Networking & Security

Sunway University

Jan 2024 – Mar 2026

Diploma in Information Technology (CGPA: 3.61 / 4.00)

Sunway College Kuala Lumpur

Aug 2021 – Aug 2023

CERTIFICATIONS

<p>CEH</p> <p>Certified Ethical Hacker — EC-Council</p>	<p>Palo Alto</p> <p>PCDRA — Detection & Remediation Analyst</p>	<p>Microsoft</p> <p>SC-200 Security Operations Analyst Associate</p>
<p>Palo Alto</p> <p>PSE Foundation, Cortex Associate & Professional</p>	<p>Fortinet</p> <p>FCF & FCA Cybersecurity</p>	<p>Security Blue Team</p> <p>Threat Hunting & Dark Web Operations</p>

TECHNICAL SKILLS

<p>Offensive Security</p> <ul style="list-style-type: none"> • Web Application Testing • Network Penetration Testing • SQL Injection & Web Attacks • Password Cracking (Hashcat) • Nmap & Reconnaissance • OWASP Top 10 • Mobile App Security (Familiar) 	<p>Threat & Malware Analysis</p> <ul style="list-style-type: none"> • Malware Reverse Engineering • MITRE ATT&CK Framework • OSINT & IOC Enrichment • Threat Intelligence Platform • Dark Web Monitoring • Social Engineering Concepts 	<p>Tools & Development</p> <ul style="list-style-type: none"> • Burp Suite • Metasploit Framework • Cortex XDR / CrowdStrike • Python & REST API • AI-Assisted Development • IEEE Published Researcher
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LANGUAGES

English (Fluent)

Mandarin (Fluent)

Malay (Fluent)

Cantonese (Conversational)