

Waris Damkham

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About Me

Offensive Security Engineer with hands-on experience in web, mobile, API, and network penetration testing, red-team operations, and AI security research. I conduct offensive assessments and develop automation tools to streamline vulnerability management and response. My published research includes AI-driven diagnostics, OAuth 2.0 vulnerabilities in Android, and mobile-based AI health tools, presented at IEEE QRS, InCIT, and TENCON. Hold 20+ industry certifications, such as OSCP, PNPT, CPTS, CRTP, eWPTX, and BSCP.

Skills

Programming Languages: JavaScript, Python, Java, Bash	Deployment & Version Control: Firebase, EC2, Nginx, Git
Web Development: HTML, CSS, React, Node.js, Flask	Artificial Intelligence: Machine & Deep Learning
DevOps & CI/CD: Docker, GitHub Actions, Jenkins	Languages: Thai (Native), English (Intermediate)
Security Tools: Kali Linux, Burp Suite, Nmap, Nessus, Wireshark, Metasploit, MobSF, OpenVAS, NamicSoft, SysReptor	

Experience

Offensive Security Engineer, KASIKORN Business-Technology Group – Bangkok, Thailand Nov 2024 – Present

- Conducted over 80 penetration tests annually across Web, API, Mobile, and Network environments for KBTG and its subsidiaries.
- Led 3 major security assessment projects as project owner and actively participated in Red Team operations, supporting advanced threat simulation and detection exercises.
- Designed automation solutions using Power Apps, Power Automate, and Python, significantly reducing response times to critical vulnerability alerts.
- Developed an automated reporting system and contributed to the design of comprehensive reporting formats and styles as a core team member.
- Conducted pioneering AI security research (Offensive & Defensive) and presented findings at TBCert sessions and internal security briefings.

Cybersecurity Consultant, ALPHASEC – Bangkok, Thailand Jun 2024 – Oct 2024

- Performed penetration testing across Web, Mobile, and Infrastructure platforms (16 projects total) using Burp Suite & Kali.
- Authored and delivered detailed remediation reports aligned with OWASP and industry standards to strengthen clients' security posture.

Cybersecurity Consultant Intern, KPMG – Bangkok, Thailand Jan 2024 – Apr 2024

- Supported 3 security projects: Penetration Testing, AppSec reviews, and Vulnerability Assessments.
- Applied OWASP & Nessus to assess internal systems and secure web apps by identifying vulnerabilities.

Research Intern, Ritsumeikan University – Shiga, Japan May 2023 – July 2023

Project Title: Detecting Vulnerable OAuth 2.0 Implementations in Android Applications

- Analyzed OAuth 2.0 vulnerabilities in Android apps, emphasizing CSRF attacks, and developed an app to examine OAuth 2.0 protocols, proposing enhancements for improved security.
- Presented at the 23rd IEEE International Conference on Software Quality, Reliability, and Security (QRS 2023).

Research Intern, National Central University – Taoyuan, Taiwan June 2022 – July 2022

Project Title: Automated COVID-19 Screening Framework Using a Deep CNN with Medical Chest X-Ray

- Developed an AI-based COVID-19 diagnostic system using chest X-rays, applying transfer learning for improved accuracy and Grad-CAM for interpretability, supporting rapid clinical decision-making.
- Presented at the 6th International Conference on Information Technology (InCIT 2022).

Education

Mahidol University, Thailand Aug 2020 – May 2024
Bachelor of Science (B.S.): Information and Communication Technology (International Program)

Publications

Practical Mobile Based Services for Identification of Chicken Diseases from Fecal Images	Mar 2025
Piyanuch S., Ananta S., Waris D. , Pattanan K., Kanokpitch S. 10.1109/TENCON61640.2024.10902790	
Detecting Vulnerable OAuth 2.0 Implementations in Android Applications	Feb 2024
Waris D. , Shingo K., Songpon T., Tetsutaro U. 10.1109/QRS-C60940.2023.00024	
Automated COVID-19 Screening Framework Using Deep CNN With Chest X-Ray Medical Images	Mar 2023
Waris D. , Tipajin T., Akara S., Jidapa K., Pattanasak M., Jja-Ching W. 10.1109/InCIT56086.2022.10067528	

Projects

CHICKENME: Classification Of Chicken Diseases From Fecal Images Via Line Office Account

- Developed a mobile-based service for poultry farmers to diagnose common chicken diseases from fecal images via a Line account, achieving 86.49% segmentation precision and 95.93% classification accuracy.
- Presented at IEEE Region 10 Conference 2024 (TENCON 2024).

Certifications

OffSec Certified Professional+ (OSCP+)	Oct 2025 - Oct 2028
OffSec Certified Professional (OSCP)	Oct 2025
Hack The Box Certified Junior Cybersecurity Associate (CJCA)	Sep 2025
Junior Penetration Tester (PT1)	July 2025
Practical SOC Analyst Associate (PSAA)	July 2025
Cloud Digital Leader Certification (CDL)	June 2025 - June 2028
API Security Certified Professional (ASCP)	May 2025
HCCDA-Tech Essentials (HCCDA)	Apr 2025 - Apr 2028
APIsec Certified Practitioner (ACP)	Apr 2025
Web Application Penetration Tester eXtreme (eWPTX)	Mar 2025 - Mar 2028
Practical Network Penetration Tester (PNPT)	Feb 2025
Hack The Box Certified Penetration Testing Specialist (CPTS)	Jan 2025
Certified API Pentester (C-APIPen)	Jan 2025
Certified Red Team Professional (CRTP)	Dec 2024 - Dec 2027
Burp Suite Certified Practitioner (BSCP)	Dec 2024 - Dec 2030
Practical Mobile Pentest Associate (PMPA)	Nov 2024
Certified Cloud Pentesting eXpert – AWS (CCPenX-AWS)	Nov 2024
Certified Mobile Pentester (CMPen-IOS)	Nov 2024
Certified AI/ML Pentester (C-AI/MLPen)	Nov 2024
Certified Red Team Analyst (CRTA)	Oct 2024
GitHub Foundations (GHF)	Sep 2024 - Sep 2027
Hack The Box Certified Web Exploitation Specialist (CWES)	Aug 2024
Certified Mobile Pentester (CMPen-Android)	Aug 2024