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 build automation tools to streamline vulnerability response. My published research includes AI-driven diagnostics, OAuth 2.0 vulnerabilities in Android, and mobile-based health tools, presented at IEEE QRS, InCIT, and TENCON. I hold 20+ certifications, including PNPT, CPTS, CRTP, eWTPX, and BSCP. Explore my full work at waris-damkham.netlify.app

Skills

Programming Languages: JavaScript, Python, Java, Bash

Web Development: HTML, CSS, React, Node.js, Flask

DevOps & CI/CD: Docker, GitHub Actions, Jenkins

Deployment & Version Control: Firebase, EC2, Nginx, Git

Artificial Intelligence: Machine & Deep Learning

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

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
Certified Red Team Infra Developer (CRT-ID)	Oct 2024
GitHub Foundations (GHF)	Sep 2024 - Sep 2027
Hack The Box Certified Bug Bounty Hunter (CBBH)	Aug 2024
Certified Mobile Pentester (CMPen-Android)	Aug 2024
Certified AppSec Pentesting eXpert (CAPenX)	July 2024
Certified Network Pentester (CNPen)	Apr 2024
Certified AppSec Pentester (CApen)	Apr 2024