

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	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 three 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

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| 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

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| 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) (<i>Huawei</i>) | 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) | Aug 2024 |
| 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 (CAppen) | Apr 2024 |