



HARIES PALANIAPPAN

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SUMMARY – SECURITY ENGINEER WITH DEVELOPMENT EXPERTISE

Cybersecurity Engineer & Developer with **2 years** of experience specializing in **endpoint security, SIEM, EDR/XDR, and vulnerability management**, combined with **strong development skills in Flutter, Python, and MySQL**. Proficient in **secure coding practices, API security, and implementing DevSecOps pipelines** aligned with **OWASP Top 10** and **Secure SDLC standards**. Skilled in scripting (**Python, PowerShell**), **log analysis**, and using tools like **Burp Suite** and **ZAP**. Experienced in **developing mobile apps, integrating secure authentication (JWT, OAuth 2.0)**, and working across **Windows, Linux, and cloud platforms** such as **AWS and Azure**.

PROFESSIONAL EXPERIENCE

Associate Developer (Flutter & Security), Squadl Technologies

Aug 2023 - Present

- Developed and maintained key modules of the **Executive mobile app** using **Flutter**, ensuring seamless cross-platform performance and responsive UI/UX.
- Conducted detailed **API security assessments** and implemented automated **security scripts**.
- Integrated **SIEM** tools and performed continuous **security monitoring** and log analysis.
- Collaborated on **DevSecOps** pipelines aligned with **OWASP ASVS** and **Secure SDLC** standards.
- Supported **EDR/XDR** configuration and **endpoint hardening** across production systems.

Cybersecurity Consultant (Self-Employed), Mednucleus

Jan 2022 - July 2023

- Conducted **penetration testing** and **vulnerability scanning** of healthcare platforms; discovered 15+ critical CVEs.
- Designed **threat models**, performed **risk assessments**, and enforced **firewall policies** and **security operations**.
- Delivered **training** to over 50 developers in **secure coding** and incident response workflows.
- Managed **infrastructure security**, policy implementation, and protocol enforcement across multi-platform systems.

EDUCATION

Master of Science (M.Sc) in Software Systems

May 2018 - May 2023

Kongu Engineering College

- Grade: First Class with Distinction
- CGPA: 8.66/10

TECHNICAL PROJECTS

USB-Sentinel: A Generalized AIO Software-Assisted Insider Threat Detection Framework

- Developed an AI/ML-based **USB monitoring framework** using **Python** and **TensorFlow**.
- Published in Springer 2025, *ICDEC 2023* | ISBN: 978-981-97-8476-9 – (Link - <https://bit.ly/springer2025>).

Phantom OS 1.0

- Built a **Linux**-based OS integrated with 700+ tools (**Wireshark, Metasploit, Nmap**).
- Launched in January 2024 as an open-source project (Link - <https://bit.ly/Phantomos>).

Lucifer Spyware Tool – Red Teaming Malware

- Designed a **Python**-based Ring 3 **rootkit** for zero-day exploit simulations.
- Awarded Best Project (2023) (Link - <https://bit.ly/projectLucifer>).

SKILLS

Hard Skills:

- **Endpoint Security, SIEM, Firewall Management, Security Monitoring, Threat Intelligence**
- **Vulnerability Management, Risk Assessment, Security Tools, Log Analysis, IT Security**
- **Secure SDLC, OWASP Top 10, API Security Testing, SAST/DAST, EDR, IDS, IPS, XDR**
- **Development:**
Flutter (Dart), HTML, CSS, JavaScript
Backend: Python (FastAPI/Flask), Java
Database: MySQL, Firebase (Realtime & Firestore), SQLite
RESTful API Integration, JWT/OAuth 2.0 Authentication
- **Operating Systems: Windows, Linux, MacOS**
- **Cloud Security: AWS, Azure, Kubernetes**

Soft Skills:

- **Monitoring, Responsibilities, Problem Solving, Communication, Proactive, Reporting, Analysis, Written Communication, Team Management**

CERTIFICATIONS

- **Certified Red Team Professional (CRTP)** – Altered Security (In Progress)
- **Certified Red Team Professional (CRTP)** Lab Exam Pass Badge– Altered Security (Link - <https://bit.ly/CRTPLabBadge>)
- **DFIR Investigations and Witness Testimony** – Cybrary

AWARDS & RECOGNITIONS

- **Microsoft Security Research Recognition (2024)** – Macros RCE Bug
- **Smart India Hackathon Winner (2023)** – USB-Sentinel
- **Best Project Award (2023)** – Project ADM
- **Best Mentor Award** – SIH 2023
- **Google Security Recognition (2023)** – Broken Access Control Bug
- **Best Student for Co-Curricular Activities** – 2022, 2023