

# Jason Kyle Avanceña

Software Engineer & Penetration Tester | Red Team Specialist

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## Professional Summary

Highly skilled **Software Engineer and Penetration Tester** with expertise in full-stack development and cybersecurity. Adept at developing secure applications while identifying and mitigating vulnerabilities in web, network, and cloud environments. Passionate about ethical hacking, red teaming, and secure software development.

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## Technical Skills

### Programming & Web Development:

- HTML5, CSS3, JavaScript, React, Node.js, PHP, Laravel, Python, Git, Docker

### Penetration Testing & Cybersecurity Tools:

- Metasploit, Burp Suite, Wireshark, Nmap, Nikto, Gobuster/Dirb, SQLmap, John the Ripper, Aircrack-ng
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## Experience

### Penetration Tester

#### ShadowOps Security, Remote | 2025 - Present

- Performed **web application penetration testing** using **Burp Suite, SQLmap, and Nmap**.
- Conducted **network security assessments** using **Wireshark, Metasploit, and Aircrack-ng**.
- Executed **social engineering and phishing campaigns** to assess organizational security awareness.
- Provided detailed **security reports** with risk analysis and remediation steps.

## Red Team Specialist

DarkNet Solutions, Manila, Philippines | 2024- 2025

- Led **red team exercises** simulating real-world cyber threats to enhance **incident response** capabilities.
- Conducted **physical security assessments**, including **RFID cloning, tailgating, and lock picking**.
- Used **advanced exploit development techniques** to bypass defenses and escalate privileges.
- Provided **executive-level security debriefings** on red team findings and risk mitigation strategies.

## Software Engineer

DevSec Innovations, Cebu, Philippines | 2024- 2024

- Developed and maintained secure web applications using **React, Node.js, PHP, and Laravel**.
- Implemented **secure coding practices** to prevent **SQL Injection, XSS, CSRF, and authentication vulnerabilities**.
- Conducted **code reviews and security audits** to ensure robust application security.
- Deployed applications using **Docker** for scalable and secure environments.

## Software Engineer

Accenture, Cebu, Philippines | 2023- 2024

- Developed and maintained secure web applications using **SAP ABAP, SAP ERP.SAP S/4HANA**
- Implemented **secure coding practices** to prevent **SQL Injection, XSS, CSRF, and authentication vulnerabilities**.
- Conducted **code reviews and security audits** to ensure robust application security.
- Deployed applications using **SAP HANA** for scalable and secure environments.

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## Projects

### Secure Web Application Development

- Built a **full-stack web application** with **React, Node.js, and Laravel** implementing **OWASP security best practices**.

## **Pentest Lab Simulator**

- Developed a self-hosted **penetration testing lab** featuring vulnerable applications for security training.
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## **Education**

### **Bachelors in Information Technology**

University Of San Carlos | 2018 - 2023

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