Kenny Alfredo Aranda

904-377-4978 | kennyaranda46@gmail.com | www.linkedin.com/in/kenny-aranda-197019212 | kennyaranda.com

Summary

Cybersecurity professional and software developer with hands-on experience in penetration testing, mobile app security (iOS & Android), vulnerability assessments, and full-stack application development. Proven track record in identifying and mitigating security risks, developing custom exploits, and automating testing workflows using tools like Burp Suite, Nessus, and Python. Skilled in Agile environments, cloud platforms (AWS), and threat intelligence analysis. Certified in Burp Suite, eJPT, and LPI Linux Essentials. Active bug bounty hunter on HackerOne, with a passion for offensive security, red team operations, and building secure, scalable systems.

Experience

Pentester **07/07/2024 - Present**

SyscloudSec

- Attacked and compromised 50+ web, mobile, and API targets (REST/SOAP/GraphQL, iOS/Android), chaining vulnerabilities including IDOR, BOLA, authentication bypass, and broken cryptography into full proof-of-concept exploits.
- Implemented secure authentication mechanisms (OAuth 2.0, JWT, SAML) and authorization controls following OWASP Top 10 best practices, reducing authentication-related vulnerabilities by 85%.
- Hunted external attack surfaces using OSINT tradecraft (Shodan, BBOT, Amass) and performed AI/ML API threat assessments, uncovering broken authentication, excessive agency, and data exfiltration vectors in inference endpoints.
- Conducted internal network penetration tests and access control reviews across 50+ enterprise environments, identifying authentication weaknesses and lateral movement vectors.
- Executed Wi-Fi security assessments using Aircrack-ng, Airodump-ng, and Wireshark, identifying WPA2/WPA3 vulnerabilities and rogue access points in corporate wireless networks.
- Ran adversarial social engineering campaigns (spear phishing, vishing) achieving 60% engagement rates, and engineered custom Python/PowerShell exploits to simulate real-world threat actor TTPs against AD, cloud, and web targets.
- Conducted PCI-DSS compliance assessments using Nessus Pro and Nmap, identifying and remediating security gaps in payment processing environments to ensure regulatory compliance.
- Produced 100+ pages of adversarial-focused pentest reports with CVSS-scored findings and exploitation narratives, bridging technical attack chains and executive risk decisions.
- Weaponized Python automation frameworks and Burp Suite integrations to cut assessment cycles by 60%, scaling offensive operations across 20+ enterprise clients without sacrificing depth.
- Developed AI-powered security agents using Python and Claude AI (MCP integration) for automated OSINT reconnaissance and document consistency verification.
- Built n8n workflow automation applications for real-time threat hunting operations, enabling continuous monitoring across enterprise cloud environments.

Junior Software Developer **09/06/2021 - 01/01/2024**

Algorithmics

- Built full-stack applications (React, Node.js, MongoDB) for 1,000+ users with PCI-DSS compliant payment integrations, developing attacker-minded secure architecture from the ground up.
- Attacked my own code – performed 50+ pre-deployment secure code reviews hunting SQLi, XSS, and broken auth, cutting production security bugs by 30%.

Security Intern **02/04/2019 - 05/10/2019**

SyscloudSec

- Executed initial web application and network penetration tests, contributed to active threat monitoring and incident response, helping cut MTTR by 15%.

Core Competencies

Offensive Security & Penetration Testing: Web Application Pentesting | Mobile Security (iOS/Android) | API Security Testing (REST/SOAP/GraphQL) | Network Penetration Testing | Wireless Security | External/Internal Network Assessments | Vulnerability Assessment | Exploit Development | Red Team Operations | Social Engineering

Infrastructure & Active Directory Exploitation: Active Directory Enumeration | Privilege Escalation | Lateral Movement | Credential Harvesting

Security Tools & Frameworks: Burp Suite Pro | Metasploit Framework | Nmap | Nessus Pro | Nuclei | OWASP ZAP | SQLmap | Wireshark | Aircrack-ng | MobSF | Frida | Objection | Hydra | Feroxbuster | Caido | Shodan | IntelligenceX | AI/ML Security Testing | Prompt Injection | LLM Attack Surface Analysis

OSINT & Reconnaissance: Open-Source Intelligence | External Attack Surface Mapping | Subdomain Enumeration | DNS Analysis | Shodan/Censys Queries | Threat Intelligence Gathering | BBOT | Amass | Recon-ng | theHarvester

Security Engineering & Automation: Python Exploit Development | Bash Scripting | PowerShell Scripting | Custom Security Tool Development | Security Automation | Docker Containerization | CI/CD Security Testing | Cloud Security (AWS/Azure/GCP)

Compliance & Reporting: PCI-DSS Assessment | Security Audit Methodologies (NIST, OWASP, PTES) | Threat Modeling | Technical Report Writing | Executive Presentations | Risk Assessment | Remediation Strategy Development

Training/Courses/Certifications

- CyberWarfare - Web Red Team Analyst (Web-RTA). - 07/2026
- Certified Agentic AI Pentester (C-AIPen) - 06/2026
- eWPTX (Web Penetration Testing Extreme) certification by INE. - 01/2026
- eJPT (Junior Penetration Testing) certification by INE. - 01/2025
- OSCP certification (In progress)
- CompTIA Security+ - 02/2026
- Certified AI/ML Pentester (C-AI/MLPen) - 10/2025
- Certified Network Security Practitioner (CNSP) - 09/2025
- Certified AppSec Practitioner v2 (CAP) - 09/2025
- CyberWarfare - Certified Red Team Analyst. - 08/2025
- CyberWarfare - Multi-Cloud Red Team Analyst (MCRTA). - 08/2025
- Burp Suite Certified Practitioner (In progress)
- HackerOne - *Affirm* bug bounty program.
- Cisco Intro to Cybersecurity.
- AWS Cloud Technical Essentials.
- LPI Linux Essentials certification.

Education

University of North Florida Jacksonville, FL

B.S. in Computing and Information Sciences, Computer Science
College of Computing, Engineering & Construction ABET Accredited 01/2020 - 05/2024

Projects

Scam Analyzer Agent | *OSINT, Claude Code, Burp Suite, Python, Reporting, GitHub Actions* June 2026

OSINT Public Records Aggregator Bot | *Python, Burp Suite / DevTools, BeautifulSoup4, asyncio, Google Dorks, Telegram Bot API* March 2026

Hack The Box & TryHackMe Labs | *Penetration Testing, Metasploit, Nmap, Burp Suite, Python, Bash, Wireshark, Vulnerability Analysis, Reporting* Ongoing