JORGE DÍAZ

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SUMMARY

Offensive security engineer with five years of experience working as a cybersecurity consultant delivering high quality security assessment reports to various clients from a wide array of geographies and industries; The United States of America, United Kingdom, The Caribbean and South America. Specialized in application security and exploitation of its vulnerabilities.

EXPERIENCE

COVERTSWARM – RED TEAM OPERATOR – APRIL 2022 – APRIL 2024

- Led offensive security engineering efforts for two of the companies' most important accounts based in the United States of America.
- The work delivered served as a robust reference and case study for CovertSwarm's sales team to facilitate further expansion of the companies' services within the U.S market.
- Job role responsibility consisted of engaging with clients to identify and exploit security vulnerabilities proactively and systematically to outpace threat actors.
- Contributed to the Internet community via responsible disclosure of newly identified vulnerabilities in open-source software components that were found to be vulnerable during client engagements.

SISAP– SENIOR PENETRATION TESTER – DEC 2019 – APRIL 2022

- Led and executed successful internal infrastructure penetration tests for key clients in Latin America and The Caribbean.
- Developed updated offensive security methodology for the in-house penetration test academy.
- Automated vulnerability management tasks with code and custom tooling to cut through noisy scanner results and focus only on exploitable vulnerabilities with high success rate.
- Served as an instructor for junior level penetration testers that joined the team from the academy, helping them hit the ground running with tooling and methodology.

NIC .DO – DNS SYSTEMS ADMINISTRATOR – NOV 2017 – NOV 2019

- Maintained and secured critical UNIX and Windows based DNS server infrastructure.
- Attended workshops of network operation groups in Latin America and The Caribbean under LACNIC.
- Maintained ties with ISC.org's DNS Bind developers. Having attained a DNS Bind Associate certification in ISC's main HQ in Redwood City, California.

EDUCATION

TELEMATICS ENGINEERING BACHELOR

PONTIFICIA UNIVERSIDAD CATOLICA MADRE Y MAESTRA

SKILLS	CERTIFICATIONS
Source code auditing	OSCP
Web application security	CCNP R&S
Social engineering	DNS Bind Associate
Python programming	CCNA CyberOps
Attention to detail	CCNA R&S
Professional report writing	MITx CompSci Python

CYBERSECURITY COMMUNITY INVOLVEMENT

Volunteered as a staff member for the HackConRD 2024 conference, where I designed, oversaw production & successful delivery of the first ever 350 official hardware badges, for The Caribbean's biggest cybersecurity conference. The hardware badge project is open-source and served as the primary tool for delivering the conference's Hardware Hacking Workshop where around 60 attendees learned about electronic circuits, DIY maker culture, microcontrollers and hardware in general.

The hardware badge project can be found here:

https://github.com/jrgdiaz/HHW_HackConRD2024

Gave a deep dive talk about Apple BLE spoofing to the RedTeamRD community after experiencing the novel attack technique at DEFCON 31. All Apple peripheral devices can be spoofed over Bluetooth. I showed the audience how attackers can send spoofed BLE AirPods packets to up to date iPhones. Since DEFCON 31 many other PoCs have been developed for abusing BLE. To this day Apple still doesn't have plans to patch the attack due to how BLE Advertisements are implemented.

The PoC developed for the meetup talk can be found here:

https://github.com/jrgdiaz/apple-ble-spoof-poc

Have contributed CVEs to the open-source community as a security researcher

Researcher profiles can be found here:

https://www.wordfence.com/threat-intel/vulnerabilities/researchers/jorge-diaz-ddiax?sortby=cvss_score&sort=desc

https://patchstack.com/database/researcher/f9637885-ea41-44c1-8e82-252213647930