

Joseph Giron

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Summary

A dedicated problem solver looking for an opportunity to work with a team to lead and teach new skills. Joseph brings a strong background in application and network security, source code review, incident response, composite Red Team events, malware analysis, exploit development, and reverse engineering with a focus on x86/x64 Intel assembly.

Work Experience

Zoom, Inc: Product Security Engineer, Jul 2020 – Present

Fortune 500 communications platform.

- Managed a hardware security team with 3 engineers.
- Led security assessments against dozens of new products.
- Performed reverse engineering on Zoom components including the Zoom client, server, pbx server, SMS gateway, audio processing gateway, split between 3 platforms and 2 mobile applications.
- Assisting in hiring 15 new resources for 4 new security and development teams.
- Worked closely with developers in house to close over 2 dozen security vulns.

Wells Fargo: Red Team Member (contract), Sept 2018 – May 2019

A leading nationwide financial institution.

- Tested over 15 Web applications utilizing BurpSuite and W3AF.
- Performed network discovery and OSINT for hundreds of external assets.
- Developed multiple discovery and mapping tools for the Red Team.

LunarLine Inc: Senior Penetration Tester, Mar 2016 – Mar 2020

Information security services firm focused on federal clients (acquired by Motorola)

- Led over a dozen security projects for numerous government clients including social engineering, physical, threat intelligence, code review, and Web/mobile applications.
- Trained 5 junior consultants on the basics of security, reverse engineering, and penetration testing.

Megaplan-IT: Sr. Penetration Tester (contract), Jun 2016 – Sept 2020

A boutique information security services consulting firm.

- Performed 3 Incident response and forensic investigations.
- Performed over a dozen security assessments including Web/mobile apps, source code review, networks, and cloud deployments.

LastLine: Malware Reverse Engineer, Mar 2015 – Feb 2016

A boutique network security services consulting firm.

- Develop multiple signature matching algorithms in python, YARA, and FLIRT for binary matching and differential analysis.
- Analyzed over 20 0day threats and malware from APT's and threat actors across the world to deliver timely threat research.
- Published 50 blog posts about malware analysis and threat research.

Synack Inc: Penetration Tester (contract), Dec 2014 – Jan 2016

A unique crowdsourced application security services consulting firm.

- Performed web app penetration tests and collected over 25 bug bounties for various clients.

Certifications & Achievements

- CEMA (2017), CEH (2020), Red Team Alliance CmoE (2022)
- Over 15 registered CVE's
- Over 5 security whitepapers
- Published metasploit framework exploit module
- Active AV bypass tool written and published

References available upon request