

RICK RAMGATTIE

Senior Application Security Engineer

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📍 New York, NY

in /rick-ramgattie

📧 @rramgattie

SUMMARY

I'm a security engineer and security analyst experienced in finding and mitigating vulnerabilities. My background provides me with the ability to work well in a team environment, develop solutions with little technical debt, and communicate complex topics easily. I am motivated to find bugs, innovate solutions to difficult problems, and aide in the process of improving security posture. My favorite kinds of working environments are ones that allow my teammates and I the ability to always learn and improve with every hurdle that we clear.

PROFESSIONAL EXPERIENCE

Senior Application Security Analyst / Team Lead / Research Lead

Independent Security Evaluators

📅 May 2015 – Present

📍 Baltimore, Maryland

- Perform security assessments, security consulting, design reviews, code reviews, to identify vulnerabilities and risks
- Perform security-focused source code review for client applications written in various programming languages including Java, JavaScript (NodeJS), Python, Ruby, PHP, Scala, and C#
- Perform infrastructure security reviews of Amazon Web Services and client networks
- Perform security-focused architecture reviews of client application and environments
- Lead consultant delivery teams to ensure assessment quality, scope coverage, and deliverable consistency
- Recommend and verify solutions that mitigate security issues
- Assist with recruiting and interviewing efforts including on-site recruiting events, candidate phone screens, and in-person interviews
- Lead development of new service offerings and other business initiatives
- Manage a team of security analysts
- Conduct scoping and credibility calls

TECHNICAL EXPERIENCE

- Web Application Security
- Mobile Application Security (iOS, and Android)
- Embedded Device Security (IoT Security)
- Cloud Deployment Security
- Custom Protocol and API Security

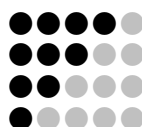
PROGRAMMING LANGUAGES

Python, PHP, JavaScript

Java, C#

C++, Ruby

Erlang, Elixir, Scala, Swift, Haskell, Perl



HUMAN LANGUAGES

English, Spanish



EDUCATION

B.S. Computer Science and B.S. Computer Security

East Stroudsburg University

📅 2015

📍 Pennsylvania

PRESENTATIONS

- **DefCon 27 IoT Village SOHO**pelessly Broken 2.0: Circumventing Security Controls in Network Accessible Services
- **ToorCon20** Shining a light on a black box: Reverse engineering proprietary protocols in Embedded devices
- **Motherboard News Hacking Week 2017** Hacking Livestream: How to Turn a Router Into Part of a Botnet
- **RSA Sandbox 2017** IRL: Live Hacking Demos!

For more presentations see LinkedIn

PUBLICATIONS

- S. Mirani, J. Meyer, R. Ramgattie, and I. Sindermann, "Security Vulnerabilities in Network Accessible Services", Sep. 2019.
- R. Ramgattie, "New Vulnerabilities Found in Lenovo ix4-300d", October 2018
- R. Ramgattie, "Cracking Java's RNG for CSRF", May 2018.
- R. Ramgattie, "Bypassing OkHTTP3 Certificate Pinning", May 2018.

For more publications see LinkedIn

CERTIFICATIONS

- AWS Certified Cloud Practitioner

TOOLS

- **Static Analysis Tools:** RIPS, Bandit, SecureBugs, OWASP Dependency Checker, Ghidra, JD-GUI, Binwalk
- **Dynamic Analysis Tools:** BurpSuite, SQLMap, Wireshark, Java Debugger (JDB), GNU Debugger (GDB), Frida (iOS, Android)
- **Other Tools:** Lynis, ScoutSuite, Nmap, AMass, Hashcat, grep, find, ctags, vim, awk, Python modules