Vulnerability Research Labs

Reverse Engineer

Here at Vulnerability Research Labs we have spent more than a decade becoming a technical leader in cyber security. We became a leader in the field because we believe in our mission – to be at the forefront of cyber security and deliver unparalleled capabilities that solve our customer's hardest problems.

We are currently seeking a full-time Reverse Engineer in our Columbia, MD office. This position works with a mixed team and is responsible for researching and reverse engineering systems, software and protocols.

Your Day-to-Day at Vulnerability Research Labs:

- Work with a mixed team of reverse engineers, developers, QA, tech writers and vulnerability researchers
- Reverse engineering complex systems, software, and protocols
- Investigating the internals of various operation systems to discover new features, vulnerabilities, and techniques
- Furthering existing reverse engineer research and discoveries
- Assist software development teams with incorporating new developments into products
- Testing out ideas and automating analysis using a scalable virtual lab
- Documenting findings to aid in reproduction of results

Responsibilities:

- Reverse engineer systems and software products
- Create and use tools for automated reverse engineering
- Create reports and analyze trends in security and malware
- Design, develop, document, test and debug vulnerability analysis related to reverse engineering targets
- Works cooperatively with clients, coworkers, and stakeholders in the furtherance of company goals and in compliance with directives, policies, and deadlines
- Completes other duties as assigned

Job Requirements and Qualifications:

- 3+ years of reverse engineering (non-academic)
- Ability to demonstrate low level software knowledge in an interview
- Reverse Engineering experience (x86, x86_64, ARM, MIPs)
- Understanding of reverse engineering methodologies
- Thorough understanding of TCP/IP networking
- Malware analysis experience
- Program comprehension at the assembly and decompiler levels
- Experience with virtualization/emulation
- Proficiency in one or more programming languages
- This position may require being fully vaccinated against COVID-19

Things we like best about VRL:

- The chance to work with the best in the business
- Solving hard problems
- A strong focus on learning and career development including conference and training opportunities

- Most of all: an interesting and challenging workplace that takes care of its employees

VRL is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status, or any other protected class.

EEO is the Law