



Vulnerability Research Labs

Software Engineer (Python, JavaScript)

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 Software Engineer (Python, JavaScript) in our Columbia, MD office. This role will design and implement web-based products, working with the web team as well as the client product team. It will work with client product teams to make sure the web-team product is addressing their needs.

Your Day-to-Day at Vulnerability Research Labs:

- Design and develop code for web-based software (Python and JavaScript)
- Collaborate on user interface design with VRL engineering teams and customers
- Understand/evaluate control and data flow of software based on documentation and source code
- Develop, maintain and use Continuous Integration pipelines
- Package software for testing and release (e.g. Docker, LXC, RPM, Deb, etc.)
- Interact with QA on bug triage

Responsibilities:

- Writes and implements code for web-based products/systems (front-end and back-end)
- Creates interactive web user interfaces and controls
- Understands and is able to integrate systems with varying communication mechanisms
- Interfaces with various back-end services and databases such as PostgreSQL and Redis
- Generates automated test scenarios to validate implementation and modifications
- Develops and maintains Continuous Integration Pipelines
- Creates and maintains software documentation
- Makes suggestions for emerging technologies/ industry trends that would apply to our products

Job Requirements and Qualifications

- Bachelor’s or master’s degree in technical field
- 3+ years’ experience with the following:
 - HTML/JavaScript
 - Python for web and database development
- 3+ years’ experience with the following:
 - JavaScript frameworks such as Angular, Backbone, or React
 - Various packaging mechanisms such as deb, rpm, docker, etc.
 - Building and deploying a webserver-based product
 - Jenkins/Gitlab and git for continuous integration
 - Linux and bash
 - Creating and consuming HTTP REST APIs
- 1+ years’ experience with the following:
 - Websockets
- Knowledge of web-based security concepts and implementations
- Django web framework and Django rest framework

- Optimizing for scale
- Database optimization
- Analytical and critical thinking skills
- Git and source control usage
- 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

Alternative Job Titles: Web Developer

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](#)