Lead DevOps 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're currently seeking a full-time DevOps Engineer in our Columbia, MD office. This position is responsible for leading our internal software tools team. This team designs, implements, and maintains automated release, test, and deployment tools and frameworks with the goal of minimizing manual test and deployment processes across the suite of VRL tools. The position will work directly with development teams to understand their requirements and implement DevOps solutions to fit their needs using in-house and third-party tools.

Your day-to-day at Vulnerability Research Labs:

- Task and mentor other members of the Internal Tools Team
- Build and maintain internal tools, automated frameworks, and environments for other software development teams
- Interact with a diverse IT infrastructure, networks, OSes, and distributed software architectures
- Champion initiatives to continually improve processes, product quality, and tools

Responsibilities:
- Design and develop internal tooling for use within the organization by developers and QA
- Implement automated release, test, and deployment tools, practices, and frameworks
- Develop and maintain tools to support the software development lifecycle of both internal and customer developed products.
- Support automated deployment of virtualized testing and development infrastructure
- Identify, prevent, and remediate defects in products and services on a continuous basis
- Analyze the requirements of complex development, and heterogeneous production environments
- Keep up with industry best practices for software development and infrastructure management

Job Requirements and Qualifications:

- Bachelor of Science in Computer Science or similar from an accredited university
- 3+ years' experience with:
    - Python software development and scripting
    - Configuration Management tools (e.g., Ansible, Terraform)
    - Virtualization/Cloud technologies (e.g., vSphere/ESXi, Docker, Kubernetes)
    - Software Build Systems (e.g., make/CMAKE/MSBuild, Gitlab CI/CD)
- Linux, Windows and Android setup and configuration
- Cyber security concepts
- Agile methodologies and CI/CD
- HTTP server technologies and REST/JSON interfaces
- Version control systems such as Git
- Networking concepts and technologies (e.g., Firewalls)
- System scripting languages (e.g. Bash, PowerShell)
- Documentation markup languages/generators (e.g., Sphinx, reStructuredText, Markdown)
- Defining, documenting, and enforcing configuration management

- Ticketing tools such as JIRA or Gitlab
- Integration systems such as Gitlab or Jenkins
- Test tools such as Selenium and pytest
- Other software
  - Artifactory
  - Packer
  - OpenSTF/DeviceFarmer
- This position requires being fully vaccinated against COVID-19 by December 8, 2021 or the start date, if after December 8.

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

Alternate Job Titles: Automation Engineer

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

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