

## **Mobile Engineer – Columbia, MD or Reston, VA**

Vulnerability Research Labs has spent more than a decade becoming the most respected source on cyber threat intelligence while maintaining the culture and feel of a start-up. We are the best in the field because we believe in our mission – to deliver unparalleled capabilities that alleviate the risk posed by today’s cyber threats. We offer the opportunity to work on diverse technologies with the best developers in an exciting company with a flat organizational structure. Helping us address the newest cyber threats is where you come in!

We’re currently seeking a Mobile Engineer with experience in C++ and Android development to join our team. As part of our engineering group, you will join top-notch developers who design, engineer, and deliver software products to our end customers.

### **We are looking for:**

Experienced C/C++ Developers with imagination, drive and a passion for Android

- Creative problem solvers
- The desire to take code from a concept to a completed product
- The ability to work independently or in a small team.
- Attention to detail and a thirst for excellence
- The willingness (and ability) to tackle big challenges

### **Our day-to-day at Vulnerability Research Labs:**

- Developers spend most of their time doing what they love – writing code to solve hard problems
- Writing new code for never-before-been-developed capabilities
- Statically analyzing and reverse engineering binaries with IDA Pro
- Writing instrumentation tools for dynamic analysis with Frida and Xposed
- Exploring private APIs

### **Skills you will need and we will enhance:**

- Thorough knowledge of Android internals (DVM, ART, Frameworks)
- Solid knowledge of linkers, loaders and executable file formats (DEX, ELF)
- Detailed understanding of mobile malware techniques, defenses, and counter measures
- Network programming, protocol design and analysis
- The ability to build scripts and custom automation tools
- Basic understanding of exploit development techniques and toolsets
- Experience with reverse engineering ARM and ARM64 binaries
- Three or more years of software development experience, with solid exposure to the following:
  - Android – Java, JNI, C++, Kernel mode
  - Linux – User and Kernel mode
  - Python
  - ARM

**Things we like best about VRL:**

- Minimal time in meetings
- The ability to go to conferences and training
- Real offices with doors and desks
- Good fresh brewed coffee and our own espresso machine
- A well-stocked pantry with food and beverages
- Loads of research and development tools at your disposal
- Most of all: interesting and challenging work and a great team to work with!

VRL is proud to be an Equal Employment Opportunity employer and does not discriminate on the basis of race, religion, gender, national origin, color, age, military service eligibility or veteran status, disability, sexual orientation, marital status or any other protected class. We encourage and support workplace diversity.

Qualified candidates should send their resumes to: [info@vrlsec.com](mailto:info@vrlsec.com).

We are unable to hire non-US citizens. Please, no third party firms.