Android Firmware Engineer

Corellium · Delray Beach, FL (Remote)   5 days ago · **2 applicants**

Full-time · Entry level

11-50 employees · Internet Publishing

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About the job

We're looking for a talented Android Firmware Engineer to help us drive the future of development on Android-based devices. You'll be part of the team advancing our virtual Android device models, with projects ranging from implementing AOSP peripherals like Wi-Fi and Bluetooth, adding support for new AOSP versions, and helping support AOSP on new virtual IOT models.

You'll be successful in this role if you have experience with Android itself — not Android apps. You may have previously ported AOSP, built it, debugged it, or contributed to it, and you may have worked on custom peripherals or drivers. You have extensive knowledge of Android systems, frameworks, HAL, and services, and you're very well acquainted with Android debugging tools and techniques. You know how to use Git, you're a native English speaker, you write top-notch quality code, and you're keen to work on cutting-edge technology.

Requirements:
- Experience with AOSP (or one its derivatives) -- syncing it, building it, debugging it, modifying it, contributing to it
- Deep understanding of Android architecture
- Strong familiarity with Android debugging tools and techniques
- Experience with Java, C++, and C programming language
- Experience with at least one script programming language (shell, python, etc.)
- Experience with software version control and release using Git
- Ability to speak and write natively in English

Nice to Have's:
- Experience with Android audio, Wi-Fi, and Bluetooth framework architecture
- Experience in upgrading Android OS versions
- Experience with the Google Compatibility Test Suite (CTS) certification and issue debugging
- Experience with implementing Android HALs for custom peripherals
- Experience with BSP and Linux device driver development
- Experience with SELinux

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About the company
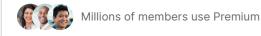
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Arm device virtualization for mobile security research, mobile app testing, IoT device modeling, and beyond. Powerful security and testing tools for iOS, Android, and Linux phones and devices.

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