

## **Open Source Operating System, Framework Software Engineer**

### **About Us**

With a core philosophy to build a world class consumer experience, we strive for excellence in all our endeavors. Brand YU is redefining the way to think technology and engage with the community. YU helps create the extraordinary, invent newer ways, discover beyond the obvious and play limitless.

At YU, work is fun, fast paced and filled with all things tech. We have a workplace where individuals congregate to share their ideas and 'learning' is a way of life. Our open culture encourages counter views and collaboration. You will enjoy every work day while being a part of a highly passionate group which will is driven to transform the world!

### **Job Objective & Description**

- Enhance the existing Android framework and develop new features
- Troubleshoot and maintain the Android framework on a range of devices
- Develop for security, stability and performance
- Drive the design and development of APIs
- Work closely with Build Integration, Test and SW teams
- Ability to work with Open Source Software deployment platforms like git/repo/P4, Gerrit or Stash/Crucible, JIRA, Jenkins, ReviewBoard, Bamboo, BugZilla
- Work hand-in-hand with product owners and a world-class engineering team to ensure the quality, functionality, performance, security and availability for our products
- Be part of a team that designs and maintains our automated build, release, and testing infrastructure
- Collaborate with our open source community to integrate new features and bug fixes
- Work in an Agile development environment
- Engage with YU user community to understand the feedback of the software release

### **Desired Skills & Expertise**

- A Computer Science or related degree
- Experience in Android OS/framework development.
- Extensive experience developing complex Android applications
- Exceptional Object-Oriented design and development skills
- Hands-on knowledge of supporting multiple versions of Android, screen resolutions and device types

- An expert understanding of the Android SDK
- Experience adding features or a strong understanding of Android frameworks
- Good Working knowledge in board bring-up, DDR, uboot, UEFI, USB, SPI, ARM-core, Emulation platforms and Flash technologies
- Experience with Cross compiler tool chain, GCC, Uber TC.
- Knowledge of identifying bugs/issues in device driver at kernel level looking at the debug logs (kmsg, logcat)
- Experience in writing custom sysfs interfaces and creating custom device drivers will be a big plus
- An extensive background in Java, C or C++ development
- Experience with performance and security optimizations on Android, Linux or Open Source projects
- A passion for solving complex problems
- Strong communication skills, excellence in technical communication with peers and experience collaborating across teams
- Passion to stay ahead of the curve on new technology and development trends in the industry
- Strong ability and willingness to create technical and end user facing documentation
- Expertise with Linux, Android; experience specifically with the Android Open Source Project strongly desired, Junit/CTS is a big plus.
- Experience with Android software deployment is strongly desired
- Experienced with the GIT revision control system
- A understanding and experience with automating software builds using a continuous integration system such as Jenkins
- The ability to handle multiple critical tasks and self-manage
- Impeccable organizational skills
- Experience with make, ant and/or gradle is helpful
- Experience with Python, Java, Bash, Ruby, and/or Chef a plus
- Experience with Gerrit a plus
- Proven ability to manage to deadlines and meet cost constraints
- Excellent communication, leadership and presentation skills
- Familiar with software product development continuous build / integration and release process
- Experienced in working with open source software projects and contributing to them
- Prior work experience in build and integration working across software components from multiple repositories.
- Experience with working on software build and development tools such as git/repo/P4, Gerrit or Stash/Crucible, JIRA, Jenkins, ReviewBoard, Bamboo, BugZilla

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