BeeWare Android Support: Phase 1

Android Role Description; Effective date: 25 September 2019

Want to see Python as a first-class citizen on every platform?

So do we, which is why we started the BeeWare project. We're building the tools and libraries needed to enable non-expert users to develop apps for MacOS, Windows, Linux, iOS, and Android using Python. Along the way, we're trying to build the most welcoming and engaged community we can.

There's a lot of work ahead of us, especially on platforms the team doesn't know as well. That's why, with the financial assistance of the Python Software Foundation's Education Grants program, the BeeWare project is hiring a **Senior Android Contractor** to help us bring the best Python support possible to the Android platform.

What you will do:

- Lead and contribute to the development of BeeWare-enabled Python support on Android, working with other BeeWare team members.
- Build out the tooling to help other developers build Android apps in Python.
- Regularly check-in with BeeWare stakeholders and contribute work that fits in the overall BeeWare and Python ecosystem
- Improve documentation on building Python apps for the Android Platform
- Release all work as Open Source under the BeeWare project
- Work with Python 3, Java, JNI, Android NDK, Gradle

Skills and experience you possess:

- You have strong experience working in Android and building Android apps.
- You have strong experience working with JNI and the Android NDK.
- You have strong experience in Python 3 and the Python ecosystem.
- You have strong experience with C, and the GNU Autoconf toolchain.
- You have a strong focus on code quality.
- You have experience shipping quality code, releasing early, and iterating rapidly.
- You are excellent at communicating technical designs.
- You know how to balance moving quickly with building sustainably.
- You know how to write clear code.

Even better if:

- You have experience using the CPython as an embedded interpreter.
- You have experience contributing to Open Source projects.
- You love building tools to make team members faster.

Projects you may work on:

- Getting the current BeeWare application pipeline working with the modern Android toolkit
- Improving the Android app build tooling for the BeeWare platform.
- Enriching our app development toolkit with modules for Android.

Who you'll work with:

You'll be working with the Core Contributors of the BeeWare project, most especially the founder Russell Keith-Magee, and with the BeeWare community as a whole. We've been a public Open Source project for four years, and have run sprints at over a dozen conferences to expand and welcome new contributors. We strive to make our community welcome to all, and we think you'll enjoy working with us.

Thanks for reading, and we hope you apply! We look forward to working with you.