



### **Android App Developer for STEM Education in Ghana**

Practical Education Network (PEN) equips West African K-12 STEM teachers to employ practical pedagogies in their classrooms. PEN has trained more than 2,500 teachers and mapped more than 200 hands-on STEM activities to the Ghanaian national curriculum. Now we seek to move our teachers from exposure to action. We aim to generate a social change in the Ghanaian STEM teaching ecosystem - building a movement of practical science teachers.

We seek a volunteer to **develop a gamified Android app** as a tool to help effect this social change. The volunteer should design gamification strategies that encourage teachers to continually use hands-on science activities. He/she should develop various digital reward schema (a la Teacher of the Month) to generate a sense of competition. The work should build on our (unreleased) Android app whose current functionality is centered around a photo feed that PEN-trained teachers can add to as they capture activities conducted in their various classes.

The volunteer should start with carrying out various tasks that have already been identified for completion of the photo-feed. From there, he/she can move onto developing gamification strategies.

The volunteer can work remotely, but must regularly interact with PEN staff in Accra, as updates are completed. He/she will work together with alumni of MEST Ghana to carry out the development. The position is expected to last for 3-6 months, and can be converted to a longer-time appointment, based on performance.

If you are looking to apply your Android app development skills, this is an avenue in which you can do so and simultaneously impact thousands of people. Please email Dr. Heather Beem ([heather@practicaleducationnetwork.com](mailto:heather@practicaleducationnetwork.com)) with your CV to apply.

[www.practicaleducationnetwork.com](http://www.practicaleducationnetwork.com)

Instagram: @practicaleducation