# TABConf Bitcoindevkit on Android Workshop
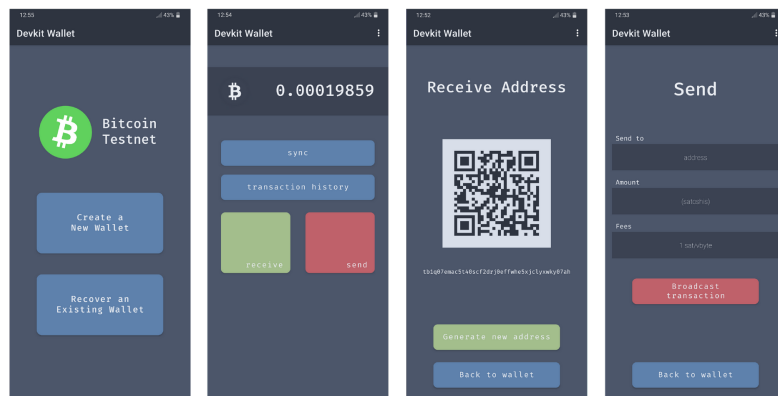
**About:** Learn about the bitcoindevkit (including BDK the project, the repositories, the cli, the API surface, the language bindings) and build a fully working Android testnet bitcoin wallet (the Devkit Demo Wallet).

**Speaker:** thunderbiscuit (Twitter, GitHub)

**Duration:** 1.5 hours



## Prerequisites

The goal of the workshop is to explore and demo the bitcoindevkit, the cli, and the language bindings for Kotlin/Android. Attendees are not required to have prior Android experience, although that certainly is helpful for that part of the workshop.

I will be screensharing and building a fully working Android app. Attendees can simply follow along without building the app on their own machines, but they are welcome to build along as well. If interested in building your own version, please complete the prep work described in the next section.

Part of the workshop is also about working with the command line tool for bdk, so a working laptop with a terminal is recommended if you want to participate and make a wallet and receive/send testnet coins. Again this is not mandatory, since I'll be demoing live as well.


## Prep Work for Attendees

Attendees who intend to build the app should arrive with:

1. A laptop with a downloaded working version of Android Studio 4.2.2 or above

2. An emulator *OR* their phone with debugging mode enabled

3. Experience having built at least one test app on their local setup (see testapp repo I made for this workshop)

In order to test their environment prior to the workshop, attendees can build both branches of the pre-workshop test app to ensure their local setup and workflow is functional. The readme has documentation on how to build the app. Upon successfully building the test app and running it on their phone or in an emulator, attendees will be ready to build the Devkit Wallet over the workshop.