



Tell us what your idea is.

The idea is to allow apps translate themselves with minimum developer work and the best possible user experience.

Why?

Big number of applications are not accessible to user because of used language. Developers focus on main locales to reach the biggest audience, however all other countries combined together create even bigger audience.

Live experiments revealed that people from countries, where locale differs a lot from english, which is the mostly picked app default language, tend to use automatically translated version of the app. Surprisingly very often they didn't recognise that the app is not translated by human, but machine learning algorithms. That leads to conclusion that well written library with good user experience will bring thousands of apps to excluded people.

Tell us how you plan on bringing it to life.

Currently library is being tested live on app available in Google Play and proves that the concept is correct. People prefer ml translated app version and turns it on over app in language they don't know. However current state of the library is *good enough*, but the goal is *brilliant*, because only *brilliant* libraries bring developers attention and trust. There is several things to cover before it may go to broader public and cannot be achieved without Googlers help!

- Cover edge cases and cleanup the code
- Improve flexibility and customisation capabilities
- Improve quality by extended testing
- Improve performance
- Release the Kraken!

Timeline:

- January 11th - prepare maven and implement library TODOs
- February 1st - divide references to libraries to sub maven artefacts
- March 7th - unit and functional testing
- April 4th - write Java version
- 1st of May - release final library versions



Tell us about you.

My name is Simon Klimaszewski and I am professional Mobile app developer, mostly focused on [Android](#). In 2012 I released a [Blood Pressure](#) app, which currently is one of the top BP app in Google Play downloaded from most countries in the world, what leads to multiple challenges. That fact was a starting point for several projects, which goal was to make my app accessible to users without translation for their locale.

The most successful solution, which proved that it's worth to invest time and effort to provide translated content to the user was [Linguist](#) project. It basically generates string translation resources using Google Translate API and manipulates app's Locale to use proper language. At the moment Blood Pressure app uses ML Kit to translate all content in the app.