

Subhrajyoti Sen

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EXPERIENCE

Tickertape (Smallcase) | ANDROID ENGINEER

Dec 2018 – Sept 2020 | Bengaluru, India

- Lead the Tickertape Android app and scaled the app to 500k+ active users with a rating of 4.3
- Modified MPAndroidChart extensively to add custom gestures and customizable line and bar charts
- Implemented using MVVM architecture with Dagger 2 for DI and coroutines for multi-threading
- Reduced build times by around 55%
- Improved code coverage by writing unit and Espresso tests

Razeware LLC | ANDROID AUTHOR/TECH EDITOR

Oct 2019 – Present | Remote

- Publishing well researched Android tutorials on topics like ObjectBox, MvRx, MockWebServer etc

Hubbler | ANDROID DEVELOPER

Sept 2018 – Dec 2018 | Bengaluru, India

- Implemented a real-time employee status update dashboard using Firebase Database
- Improved reliability and performance of network module by making use of OkHttp and Retrofit
- Improved performance of long scrolling pages by converting them into heterogeneous RecyclerViews
- Improved performance of a location tracking module by replacing AsyncTasks with RxJava

WIOS Labs | FREELANCE ANDROID DEVELOPER

Feb 2016 – Feb 2018 | Bengaluru, India

- Developed an app to let users record spoken questions in their native(Indian) language, use speech to text, and upload to a remote server
- Developed an app using Parse and AWS Android SDK to let users upload images to an AWS bucket and notify the admin whenever an image was uploaded
- Developed an app for a transport service to notify them whenever a new vehicle was booked on their website

PROJECTS AND OPEN SOURCE

Firefox Focus, Android Components

- Fixed the app shortcuts on production variant.
- Made the app installable from Samsung App Store.
- Fixed unit test cases.
- Fixed default app preference settings below Android N.

Noteworthy

- Note taking app implemented using MVVM architecture.
- Wrote unit and Espresso tests to verify working of the ViewModel, Repository and UI interactions.
- Setup a CI pipeline using GitHub Actions to run tests on all commits

EDUCATION

B.E IN COMPUTER SCIENCE

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

June 2018 | Bengaluru, India

Distinction (All Semesters)

ANDROID NANODEGREE

UDACITY

Jan 2017 | Bengaluru, India

SKILLS

LANGUAGES

2+ years:

Java • Kotlin

1+ years:

Python

ANDROID/TOOLS

Firebase • Dagger • Coroutines

RxJava • Gradle • Canvas

Room • ViewModel • LiveData

Git • CI • Epoxy • Retrofit

Lottie • Glide • WebSockets

Jetpack Navigation • MotionLayout

TALKS

[Where Did My State Go](#)

[Building a better codebase with Lint](#)

[Kotlin DSLs and How to Build Them](#)

[Doing Background Tasks the Right Way](#)

[A Noob's Guide to Git for Open Source](#)

LINKS

[GitHub](#)

[LinkedIn](#)

[Website](#)