

# Varun Barad

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## Overview

Innovative Android developer with 3+ years of experience in architecting, developing and deploying Android applications. Recognized for exceptional auto-didactic nature and problem solving abilities.

## Skills & Abilities

- Built and contributed to **10 published apps** on the Play Store (3 of those published apps have been taken down by the owners). Worked on many other apps from their **design to device** phases.
- Comfortable working with: Kotlin, Java, REST, JSON, Unit and Integration testing, Continuous Integration, Git, Software Architecture (MVP, MVVM), Android Architecture Components, Room, RxJava, Analytics, Firebase, Dependency Injection etc.
- Worked with **MySQL** and **MongoDB** in projects.
- Setup an Internet accessible instance of Apache and Tomcat on laptop from home network.
- Mentored a budding developer while we built a companion application for an event.

## Experience

### **Android Developer - Remote | Deliverr | 05/2018 – 05/2019**

- Worked in a team of 2 Android developers on building 3 apps, two for customers and 1 for internal management.
- **Handled the complete Android development workload of the company for 2 months** while my senior was on a vacation
- Integrated social-login and live order-update via Firebase to improve customer experience
- Handled a redesign of the whole app to allow item-customisation and improve user-experience
- Deliverr on Play Store

### **Android Developer | Crawded Technologies Pvt. Ltd. | 01/2015 – 06/2015**

- Played a pivotal role in development of the first versions of Android application for their SchoolWeb and Crawded platforms.

### **Android Developer | Udaan Dev Team | 2015 – 2017 | Volunteer**

- Created companion Android application for Udaan (our college's tech-fest) for 3 years by working alongside a team of 8 other peers to work through the design to deployment phases
- Mentored a budding Android developer through the phases of designing to publishing to Play Store
- Udaan – 17 on Play Store | Udaan – 16 on Play Store

## Other Projects

- **Pop Movies** – An app which shows a list of popular movies and allows you to set favorite movies to show its details offline. ([GitHub](#))
- **To-Read Manager** – This app helps me manage my to-read links at one place on my phone. I can share tweets, webpages or anything else and then later open it from the app. ([GitHub](#) | [Play Store](#))
- **Attendance Tracker** – An app which lets students keep track of their attendance in different classes during the semester. ([GitHub](#) | [Play Store](#))
- **Udaan-17** – Companion app for our college's annual tech-fest. ([GitHub](#) | [Play Store](#))
- **Droid Bakery** – An app which shows recipes along with its videos as fetched from a remote service. I learnt unit and espresso-based integration testing via this project. ([GitHub](#))
- **Udaan-16 SMS Web App** – A web-app made during Udaan-16 for event managers to notify participants (only those who qualified) of the details of next round via SMS. ([GitHub](#))
- **Git Single File Backup** – A python script which bundles an existing git repository from your machine into a single zip file including even your stashed changes (they are not included in default bundle). ([Article](#) | [Code](#))
- **Gnome Wallpaper Changer** – A small Kotlin program for Gnome DE which selects a random photo from a folder and sets it as desktop background. ([GitHub](#))

## Some of my articles (link to my blog)

- Switching RxJava schedulers between app code and corresponding tests ([link](#))
- Hiding API keys from your Android repository ([link](#))
- Creating single-file backup of Git repositories ([link](#))
- Testing Deep-Link URLs using ADB ([link](#))
- Critical mistakes to avoid in Android development ([link](#))

## Open Source Contributions

- **DEV Community** – Helped their app's transition from web-based app to include more native code.
  - [GitHub](#) | [Play Store](#) | [My contributions](#)
- **AntennaPod** – Contributed a splash-screen to their Android app for podcasts.
  - [GitHub](#) | [Play Store](#) | [My pull request](#)
- **TornadoFX** – Contributed an extension function to match an `ObservableValue<String>` against a Regular Expression.
  - [GitHub](#) | [My pull request](#)

## Certifications

- Android Developer Nanodegree | 01/2018 | Udacity ([Certificate](#))
- JavaScript Algorithms and Data Structures | 09/2018 | freeCodeCamp ([Certificate](#))
- Responsive Web Design | 09/2018 | freeCodeCamp ([Certificate](#))
- Bachelor of Engineering | 07/2013 - 05/2017 | Birla Vishvakarma Mahavidyalaya