Here's a brief overview of my background projects and other interesting points related to Android:

Worked as an Android Developer at App Partner:

I've worked on plenty of different applications while working there. I've developed an entire application on my own and I've worked on adding features and Bug fixes to existing applications as well.
Following are the name of the apps I've worked on:

- BlackCarFund
- JusMove
- Genlines
- ConAir
- B&H

Over my time at the company I've got myself quite familiar with

- Pivotal Tracker
- Git (SmartGit/Command line)
- Slack
- Zeplin

Working on different projects gave me a great deal of exposure. Used MVP / MVP Interactor pattern in all of the applications. Following proper company coding guidelines eventually helped me write efficient and clean code.

Kamcord Coding Challenge

Challenge included to build only one app, but I made two:

App 1 (Original challenge)

- Used TextureView and ImageView in a gridlayout with recycler view.
- Allowing user to click on any thumbnail to play video associated with it.
- Made asynchronous calls to get the JSON.
- Implemented a custom on click on recyclerview.
- Support to set 5 items per row for tablets.

App 2

- This was a prototype of the original application of Kamcord.
- Used VideoView to play the videos.

App Partner Coding Challenge

Built an application with following features:

- Using glide populated a listview.
- Made a post request for login using volley.

- Used fade in and fade out animation and on an imageview and allow user to drag drop that image.

Cam Filters

Working on a simple camera application. The User can capture photo and apply different image filters.

- Used Camera API to capture photo.
- Used Opencv Android library for Image processing.

Good Quotes

I used Forismatic API which provides a random motivational quote when you pass a key to it. Following are its features:

- AsyncTask to make Asynchronous calls.
- SQLite Database to store quotes that user's like.
- Shared Preferences to save the count (Key) which gets passed to the API(Web) to get a quote.
- Contextual Action bar (to select multiple items from list view and delete them).
- Allows user to share Text and Image of the quote with other applications.

Demo Application I

I used JSONPlaceholder to get fake json data. The application shows list of users, their albums, their photos and allows them to download those photos.

- Used ListView, GridView, RecyclerView and CardView.
- Used Fragments with View Pager and Tab Layout.
- Used Picasso to load the images and cache them. (Picasso provides cache mechanism).
- On Long press you can preview the image.
- Allowed user to download the image. (Applied run time permission for Android M).

Demo Application II

- User authentication by providing a login interface via facebook, gmail and custom email.
- Push notification via Firebase console.
- A Navigation Drawer with circularImageView API.
- Used Glide API to load image.

Google Maps and Places Demo App

I haven't uploaded this work, but I have it ready.
It allows user to select a location (Suggestions provided by google places based on the input) and get photos in a Listview.

- Allows user to change Map Type to Hybrid, Normal, Satellite, etc.
- Allows user to enter location (Autocomplete with places API)
- Allows user to get photos (if any) from the places API.
- Used LruCache to cache those images.
- Used Android volley to make network calls.

RetroStyle Calculator

A simple calculator application with a space theme.

- Used Media Player to play the button sounds.
- Used Shared Preferences to save the user's selection of Sound On/Off.

Good Reminders

Currently working on this application which allows user to set reminders based on time and location.

- Used AlarmManager to set reminders.
- Used Ringtone Manager to set ringtone for the alarm.
- Used Pending Intents.
- Yet to implement Location based alarms.

Miscellaneous

- Have worked a little on animation with overridePendingTransition, SurfaceView and Canvas.
- StartedServices and BroadcastReceivers.
- Different Sensors like Accelerometer, Ambient Temperature, Step Counter, Step Detector, etc.

Till now I've used the following APIs:

- Glide
- Retrofit
- Butterknife
- Picasso
- aChartEngine
- Camera API
- Google Maps
- Google Places
- Google Directions

- Volley
- CircularImageView

I like to explore a lot about android. Right now I'm learning about **RxJava** and **Dagger**.

Published applications:

Good Quotes:

 https://play.google.com/store/apps/details?id=com.blackfruit.goodquotes

Retro Calculator:

https://play.google.com/store/apps/details?id=com.blackfruit.retrostylecalculator

FindOut:

https://github.com/sagarlakhia/FindOut

https://www.youtube.com/watch?v=6fo9uE9pKm0

Demo App I :

https://github.com/sagarlakhia/Android_Projects/tree/master/Demo_App1

https://www.youtube.com/watch?v=yF3drgT6di0

Demo App II :

https://github.com/sagarlakhia/Android_Projects/tree/master/Demo_App2

https://www.youtube.com/watch?v=rFVatMz9i5E

You can check my other work on my Github at https://github.com/sagarlakhia

My Repository is still old i.e. it contains code before I learned the design patterns from first Job. Hopefully in near future I'll be able to update them.

Thank you.

 Sagar