

ANKIT KUMAR

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StackOverflow : <https://stackoverflow.com/users/3282461>

Career Overview

- Talented Developer with **6 years and 7 months** of strong experience.
- Experience of **Android Development** with Mobile, Tablet and Smartwatches as well. I use **Kotlin** and **Java** for Android Development.
- Experience of **iOS Development**. I code iOS apps in **Swift** with **Xcode**.
- Experience of **Backend API Development** using C# and .NET.
- Worked in **Data Analysis** for 1 year with **Java** as primary language. I have hands on with Python as well.
- I have published more than **15 apps** (including **Maybank2U**, **Maybank trade**, **Times Now**) on Play Store and 1 app on App Store.
- Actively contribute to Open Source. Please checkout my [Github](#) profile for my project which I do during my spare time.
- Always ready to learn new technologies for the betterment of myself and my organization
- Kotlin projects can be viewed on [Github](#).
- Swift projects are [here](#).

Areas of Expertise

Android :	Android SDK, ADB, DDMS, SQLite, Android Architecture Components, Notification Services, Location Based Services, Content Provider, Various System Services , Broadcast Receiver & Services, RESTful Web Services, HTTP, JSON, IntentService, AsyncTask, Fragments, Maps, Dagger 2, MVVM, MVP
Third Party Libraries:	Volley, Retrofit, AsyncHttp, Picasso, Glide, Firebase, REST APIs, JSON APIs
iOS :	iOS SDK, UIKit, SiriKit, ARKit, Computer Vision, Codable, URL Session, CoreLocation, Local Authntical, Notifications
Third Party Libraries:	Alamofire, Firebase
Backend	Java, C#, NodeJS, Spring boot, Hibernate, Entity Framework
Programming :	Java, Kotlin, Swift, C#, NodeJS, Solidity, SQL, Python, Multithreading
Design Patterns / Architectures:	MVVM, MVP, MVC , Android Architecture Components, Singleton,
Cloud API :	OAuth, Facebook, Twitter, LinkedIn, Google Plus and many more.
Project Mangement	Agile/Scrum Methodology , Waterfall methodology
Tools :	Android Studio, XCode , IntelliJ Idea, Slack, JIRA, Trello , Bugzilla, Pivotal Tracker, Dev Rally, RTC, Git , Jazz, etc
Deployment Tools:	Jenkins, TeamCity, Beta by Crashlytics, Google Play , TestFlight, App Store , HockeyApp, Amazon Store.
Operating Systems :	Linux, Unix, Windows

Professional Experience

Mobile Development Head

07/2018 to Present

Capital Platforms

Kuala Lumpur, Malaysia

- As the only mobile developer for the company, very quickly jumped onboard and took full responsibility of the development and operation of the **Android and iOS Apps**.
- Involved in requirement analysis with customers and business teams.
- Solely responsible for developing **Backend APIs**, **Android App** and **iOS App**, implementing use of API end points.
- Developing Android app with latest brand new **Android Architecture Components**, **Dagger2**, **Retrofit** in **MVVM** project architecture using **Kotlin with Rx** concepts to handle **promises**.
- Developing iOS app with latest **Alamofire**, **Codable Concepts** in **MVC** project architecture using **Swift with Rx** concepts to handle **promises**.
- Familiarity with source control frameworks like Perforce and Git/Stash
- Strong Configuration and Production Release Management.
- Responsible for resolving bugs, production and QA issues.

Senior Mobile Application Developer

01/2017 to 06/2018

Tech Matrix (Soft Reflexes)

Kuala Lumpur, Malaysia

Client: Maybank Berhad, Maybank Investment Bank Berhad

- Worked as part of a team to completely reorganize and rearchitect the **Maybank Trade App** to implement a newer streamlined UI and improved performance
- Individually implemented multiple features including '**order management for stocks and counters**' and '**swipe to delete**', '**watchlist** and **alerts**' and more
- Implemented UI/UX for Order Management System with Bursa Malaysia and KLSE (Kuala Lumpur Stock Exchange)
- Integrated Web Service and Web Socket for Order management System with Bursa Malaysia.
- Responsible for code push via Jazz on IBM RTC.
- Worked with QA and Business teams to resolve bug and defects reported by testers using **HPALM/HPQC**
- Solely responsible for Face and Voice Authentication in Mobile Banking app of Maybank.

Senior Android Software Engineer

10/2015 to 12/2016

Parken Solution

Jaipur, India

- Involved in the analysis, researching, consulting and evaluating needs of the project.
- Designing the key components of Android Applications.
- Collaborated closely with product and design teams to create innovative interface for and features optimized for mobile platforms.
- Writing and debugging code to meet project requirements.
- Responsible for resolving bugs, production and QA issues.
- Writing, maintaining and modifying technical program and end user documents.

Software Engineer

11/2014 to 10/2015

InteractionOne Solutions

Bangalore, India

Client: Times Now, Mobmerry Technologies, Vmobo Mobile India

- Implemented **IoT** with **beacons for pushing E-commerce based offers** for specified geo-locations.
- Implemented payment system for Restaurant payment app.
- Implemented Integration of Volley for efficient Network calls.
- Implemented Push Notification setup, Deactivation tracking, FlurryEvents and Google Analytics
- Implemented Bluetooth activation and deactivation.
- Performed a complete UI rearrange to improve the look and feel of the horizontal scroll view used. Created Custom Views to rearrange the UI.
- Performed bug fixes on existing code and analyzed existing code to proactively detect and fix code. Performed an extensive code review to better understand the entire code.
- Integrated Volley for better and parallel network calls
- Used third party libraries such as Twitter, Google Plus, Facebook and Volley to integrate features and functionality Used Rest APIs to pull server data and display on the app

Senior Programmer for Android Apps and Java Projects

01/2014 to 11/2014

22by4 Consulting

Bangalore, India

Client: India Mart, Hello Trade

- As the only mobile developer for the company, very quickly jumped onboard and took full responsibility of the development and operation of the **Android and Java projects**.
- Worked on Android and Java projects.
- Contributed to full life cycle development of applications
- Extensive use and implementation of the Google Places API (JSON), RESTful APIs, timer tasks and Google Maps API Worked on multiple emulators to thoroughly develop and test deployment and interoperability on multiple platforms.
- Responsible for resolving bugs, production and QA issues

Software Engineer

07/2012 to 12/2013

ICube IT Services

Hyderabad, India

- Implemented Integration of Volley for efficient Network calls.
- Implemented Push Notification setup, Deactivation tracking, FlurryEvents and Google Analytics
- Implemented Bluetooth activation and deactivation.
- Performed a complete UI rearrange to improve the look and feel of the horizontal scroll view used. Created Custom Views to rearrange the UI.
- Performed bug fixes on existing code and analyzed existing code to proactively detect and fix code. Performed an extensive code review to better understand the entire code.
- Integrated Volley for better and parallel network calls
- Used third party libraries such as Twitter, Google Plus, Facebook and Volley to integrate features and functionality Used Rest APIs to pull server data and display on the app

Relevant Project Details

Application Name : MyPortfolio HD (Android and iOS)

Play Store Link : [MyPortfolio Android App](#)

Play Store Link : [MyPortfolio iOS App](#)

Description: Capital Platforms provide White Labeled Investment Platforms for Financial Intermediaries. Available on a Stand-alone basis or via the major Offshore Bond Providers, Capital Platforms provide access to industry leading QROPS schemes giving a one-stop solution for Intermediaries to offer to their clients.

A thoroughly comprehensive product range encompassing the following asset classes:

1. Mutual Funds
2. Offshore Bonds
3. Equities
4. ETF's
5. Structured Products
6. Retirement Planning
7. QROPS
8. Portfolio Management Services (DFM).

In addition to supporting the major asset classes a Capital Platform solution provides compliance and management information required to maintain and expand a thriving Intermediary business.

Role & Responsibilities:

This app had to be completely reorganized and architected for a better UI and a performance and my responsibilities included the below:

- As the only mobile developer for the company, very quickly jumped onboard and took full responsibility of the development and operation of the **Android and iOS Apps**.
- Involved in requirement analysis with customers and business teams.
- Solely responsible for developing **Backend APIs** , **Android App and iOS App**, implementing use of API end points.
- Developing Android app with latest brand new **Android Architecture Components, Dagger2, Retrofit in MVVM** project architecture using **Kotlin with Rx** concepts to handle **promises**.
- Developing iOS app with latest **Alamofire, Codable Concepts** in **MVC** project architecture using **Swift with Rx** concepts to handle **promises**.
- Responsible for resolving bugs, production and QA issues.

Application Name : MyPortfolio HD Backend API Project

Description: Capital Platforms provide White Labeled Investment Platforms for Financial Intermediaries. Available on a Stand-alone basis or via the major Offshore Bond Providers, Capital Platforms provide access to industry leading QROPS schemes giving a one-stop solution for Intermediaries to offer to their clients.

A thoroughly comprehensive product range encompassing the following asset classes:

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6. Retirement Planning
7. QROPS
8. Portfolio Management Services (DFM).

In addition to supporting the major asset classes a Capital Platform solution provides compliance and management information required to maintain and expand a thriving Intermediary business..

Role & Responsibilities:

- Analysis, layout and change of multi-layered applications in C#, using **RESTful** web benefits for the back-end.
- Working with the QA bunch in the game plan and execution of analysis for the already made applications
- Teaming up with a Managed Services gathering to help develop vital courses of action and give generation support on a 24 x 7 preface at whatever point required.
- Solid in sprints/scrums organizing and go about as a scrum pro for the gathering.
- Performing peer code reviews to execute coding standards, code consistency, utilization of setup cases and adherence to application design.
- Conveying status and issues in an unmistakable, favourable and capable way.
- In charge of suggesting changes for execution, openness and relentless quality.
- Unravel application storyboards and use cases into helpful applications.
- Design, build and keep up capable, reusable, and strong C# code
- Certification the best execution, quality, and responsiveness of uses

- Recognize bottlenecks and bugs, and devise answers for these issues
- Help keep up code quality, affiliation, and automatization.
- Strong critical thinking and root cause identification skills.
- Strong inter-relational abilities permitting viable and coordinated effort with developers, operations and business
- Strong Configuration and Production Release Management.

Application Name : Maybank Trade app

Play Store Link : [Maybank Trade Android App](#)

Description: Maybank is a leading National Bank in Malaysia. Working as a core team player has further sharpened my skills with native app development, collaboration, Core Java, APIs, WebServices, Websockets and has driven me to learn a new OOP language, Kotlin.

Role & Responsibilities:

This trade app had to be completely reorganized and architected for a better UI and a performance and my responsibilities included the below:

- **Integration of Bursa Malaysia and KLSE APIs in application with great UI and UX:** Bursa Malaysia Berhad (MYX: 1818) is an exchange holding company approved under Section 15 of the Capital Markets and Services Act 2007. It operates a fully integrated exchange, offering the complete range of exchange-related services including trading, clearing, settlement and depository services.
- **Swipe to delete feature:** Implemented **swipe to delete** feature for alerts. The task was to imitate gmail's **right to left** swipe to display the option to delete an alert from the list. This job involved a good understanding of UI specs and crisp on point coding for the feature.
- **Coding the feature to save favorite counter:** This feature allows users to favorite an counter as they browse through a host of sections each containing many counters. This demanded in depth knowledge of Rx Java, as the list had to be populated very reactively, and listed when the user visited the new section of "Watchlist".
- **Implemented global and faster search feature:** This feature included keeping track of user activity on the app and retaining latest 5 searches that the user visited. It was a straightforward requirement which I was able to quickly take this to completion because of my clear knowledge of **persistent storage** features of Android.
- **General involvement in making this reorg a success:** A huge change of architecture in an app requires a lot of effort from all team members especially main players. I involved myself and stayed tuned during planning, code clean up, suggestions and discussions.
- **Was solely responsible for moving a section of the market simplified from using config to using API endpoints.** This requirement involved changing the way we fetched data for the app for a particular section. It involved a deep understanding of current working and the new requirement. This was an assignment that was very critical and visible. I successfully coded the requirement starting with a document for API endpoint specs. My in depth understanding of how Web Services and APIs work, helped me finish this task without glitches.
- **As a subtask I moved the network handling from Async Task to Volley.**
- **Worked on Localization of strings as part of White labeling:** This was a small assignment which involved knowledge of resource management in Android. The aim was to include Spanish support for a client.
- **General assignments:** Apart from the specific tasks and features, I have successfully helped in the smooth running of the app with closing bug tickets, production issues and QA issues. This required knowledge of the app's working, good hold of Android, UI and ability to provide quick and good solutions.
- **Other tools involved:** **RTC** for task tracking and **HPQC** for QA tickets, **Slack** for general communication and information, fully **Agile** development, **Jenkins** for builds, **Beta by Crashlytics** for executable management and offering QA builds and **RTC and Jazz** for code collaboration and organization. IDE: Android Studio.

Application Name : Maybank2U mobile banking app

Play Store Link : [Maybank2U Android App](#)

Description: Maybank is a leading National Bank in Malaysia. There was firmware, server knowledge and native Android coding involved in my role.

Role & Responsibilities:

- Involved in the authentication and securing banking when user login through mobile app.
- Integrated Voice enrollment for logging in mobile app.
- Integrated Face enrollment for logging in mobile app.
- Integrated Voice authentication for logging in mobile app.
- Integrated Face authentication for logging in mobile app.

Application Name: Canvera Partner Application

Play Store Link : [Canvera - Partner](#)

Description: This app has been designed keeping the design principles of Photography, for photographers of India.

Roles & Responsibilities:

- Contributed to the full lifecycle development of the application.
- Used Google Places API (JSON) for AutoComplete TextView to offer suggestions to photographers.
- Responsible for assigning task to team and reviewing their code.
- Implemented Photobook feature with custom Album View with **curl animation effects**.
- **Implemented Async downloads of photos in synchronized thread with priority queue.**
- Implemented Chat and Comments feature on photobook photos.
- Development of the app to adapt different screen orientation and multiple resolutions depending upon the quality of the device.
- Responsible for consuming the REST services, getting JSON response and parsing them to get the required information.
- Written UI testing with Espresso and Cucumber scripts.
- Implemented Google Cloud messaging Push Notifications.
- Provided subsequent release which included feature changes, enhancements and bug fixes.
- Released application biweekly to Testing Team through Fabric beta.
- Release application on Google Play Store.
- Post production support and bug fixes.

Application Name: Canvera Application

Play Store Link : [Canvera - View Photobook, Hire Photographer](#)

Description: This app has been designed keeping the design principles of Photography, for photographers of India.

Roles & Responsibilities:

- Contributed to the full lifecycle development of the application.
- Used Google Places API (JSON) for AutoComplete TextView to offer suggestions to photographers.
- Responsible for assigning task to team and reviewing their code.
- Implemented Photobook feature with custom Album View with **curl animation effects**.
- **Implemented Async downloads of photos in synchronized thread with priority queue.**
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- Released application biweekly to Testing Team through Fabric beta.
- Release application on Google Play Store.
- **Post production support and bug fixes.**

Application Name : Mobmerry App and Mbmertry Merchant App

Play Store Link : [Mobmerry](#)

Description: Mobmerry is the first IoT enabled e-commerce application in India. It empowers consumers to discover lifestyle products based on their taste and preferences from brick and mortar stores in their city.

Roles & Responsibilities:

- In charge of complete SDLC of the application.
- Implemented Beacons based User detection and redemption of coupon concept in application.
- Implemented Order Management System in both consumer and merchant applications.
- Implemented JSON parsing of data retrieved from client IceCast server Integrated Twitter RESTful API into application.
- Implemented observer pattern for updates to history file data.
- Implemented Asynchronous timertask to check station server for updates.
- Implemented Product pages with various animations.
- Implemented navigation system inside application to head user to nearest store.
- Implemented Wishlist and Favorite Group based on user's facebook Likes.
- Development of the app to adapt different orientations and multiple resolutions depending upon the quality of the device.
- Responsible for consuming the EST services, getting JSON response and parsing them to get the required information.
- Implemented Google Analytics.
- Implemented Google Cloud messaging Push Notifications.
- Provided subsequent releases which included feature changes, enhancements and bug fixes.
- Released application biweekly to Testing Team through Fabric beta.
- Release application on Google Play Store.
- Post production support and bug fixes.

Application Name : Times Now – Largest English new channel app in India.

Play Store Link : [Times Now - English News App](#)

Description: Times Now app, the official app from India's No.1 English News channel – Times Now.

Roles & Responsibilities:

- In charge of complete SDLC of the application.
- Implemented Login through Google, Facebook and Twitter
- Worked on Fragments and Fragment Transactions and Transitions.
- Implemented Live Video and Audio Streaming.
- Worked on localization for different parts of India.
- Implemented SQLite to make app work in offline mode as well.
- Developed various customized UI Components
- Handling of Parallel execution of AsyncTasks to reduce the delay
- Enhanced User Experience of the application by Caching the Data
- Responsible for consuming the EST services, getting JSON response and parsing them to get the required information.
- Unit Testing and fixing the bugs
- Provided subsequent releases which included feature changes, enhancements and bug fixes
- Implemented Google Analytics, Flurry Analytics, Apaslr Analytics, Akamai Analytics, Vidopia Analytics, cleavertap (wizrocket) analytics.
- Released application build biweekly to Client(Times Now, Mumbai) through Fabric beta.
- Released application biweekly to Testing Team through Fabric beta.
- Release application on Google Play Store.
- **Post production support and bug fixes.**

Application Name : Binge- Pay Smarter at Bangalore Restaurants.

Play Store Link : [Binge - Pay Smarter](#)

Description : Discover deals, get cash back, buy event tickets & pay at Food & Beverage outlets through mobile. Track your order, split the bill among friends, pay at the tap of a button AND earn benefits at 100+ Restaurants across Bangalore, all with just one app.

Roles & Responsibilities:

- Implemented payment system via Internet Banking, Credit and Debit cards and Vcloud Wallet.
- Implemented maps and navigation system to selected restaurant.
- Development of the app to adapt different orientations and multiple resolutions depending upon the quality of the device.
- Responsible for consuming the EST services, getting JSON response and parsing them to get the required information.
- Written UI testing with Espresso and Cucumber scripts.
- Post production support and bug fixes.

Education and Training

Bachelor of Technology Computer Engineering

2012

Govind Ballabh Pant University of Agriculture and Technology

Pantnagar, Uttarakhand, India