Rafsan Ahmad

House -34, Road-11, Sector-10. Uttara Model Town.Dhaka-1230

880-1874632327 • rafsan.ahmad.iut@gmail.com

Summary

Mobile Application developer with over 6 years of professional experience, mostly utilizing Java and Kotlin based frameworks.

I possess a wide range of skills in the field of software technologies. I have strong knowledge of different Mobile related technologies, for iOS and Android app development.

Work Experience (6 years 1 month)

Samsung R&D Institute, Bangladesh   Feb 2022 - Current
Software Development Engineer II – Mobile

Working on Samsung Smart-Things(https://www.smartthings.com/) project and building different functionality for IoT connected devices.

My responsibilities include:

- Working on Smart-Things app, location module to manage location & geolocation for various types of devices.
- Take part in Code review to ensure clean and maintainable code.
- Mentor junior engineers about technical challenges and best practices.
- Attend architectural and technical discussions about features to include in the existing application.

Raptas Software Inc, Bangladesh   Nov 2017 – Aug 2021
Senior Software Engineer – Android & iOS

Worked for US Client Korbyt(https://www.korbyt.com), a digital signage company headquartered in Texas.

My responsibilities include:

- Worked on KorbytGO – an employee communication-based app.
- Worked on NVIDIA Shield Android for Korbyt's Embedded Android Player.
- Refactored untestable monolithic screens to MVVM architecture with tests.
- Incorporate Android Jetpack Architecture Components into existing apps to improve modularity and testability.

Chalo Technologies Ltd, Bangladesh   Oct 2016 – Oct 2017
Mobile Application Developer

Chalo is a Local Startup Company that provides on demand car reservation facility across Dhaka.

My responsibilities include:

- Launched one of the first On-demand car reservation app in Bangladesh.
- Develop and Maintain Mobile applications according to the Client's requirements.

Technology Stack
(Proficient): Android**,** Java, Kotlin, SQL **(Familiar):** Swift, Flutter, C++

Education
B.Sc in Computer Science & Engineering   December 2015
Islamic University of Technology (IUT)
> *Result: Cgpa 3.55 (out of 4.0)*
> *Thesis: "Privacy-Preserving Channel Access for Multi-domain Internet of Things(IoT)"*
> *Supervisor*: Professor Dr. Mahbub Alam

Internship
Empire Group, Bangladesh   **Feb 2016 - Sep 2016**
Intern Software Developer, Mobile Development

 My responsibilities include:

- Worked on a Bike ride-sharing mobile application.
- Producing Software specifications.
- Work on google Maps, JSON, REST, Customized UI design, etc.

Professional Projects
Samsung SmartThings (https://www.smartthings.com/)
SmartThings app allows users to quickly and easily connect and control their smart home IoT devices.

My Contribution:
- Refactor existing codebase to MVVM-C design pattern.
- Migrate existing application to use rest based store communication from previously used Open Connectivity Foundation(OCF)
- Write unit tests and documentation to increase testability of the app.
  https://apps.apple.com/us/app/smartthings/id1222822904

KorbytGo
KorbytGo is an internal communications application. It is a custom B2B app for Digital Workplace Employee Engagement (App is sold using custom distribution to a tenant-based model)

My Contribution:
- Deliver alerts, announcements, and tips to improve user well-being and awareness.
- Deliver surveys and quizzes, polls to measure satisfaction, evaluating competence, or adding gamification to enhance user engagement.
- Provide on-the-go access to critical business information that keeps users constantly informed with real-time data.
https://apps.apple.com/us/app/korbytgo/id1237754930
https://play.google.com/store/apps/details?id=com.rmgnetworks.korbyt.go&hl=en

Korbyt Kompass
Korbyt Kompass is a mobile app to control and manage content in Digital Signage Players.

My Contribution:
- Manipulate digital signage players and player groups to perform actions and troubleshooting in real-time.
- Assign, unassign playlist to player and player groups.
- Activate Inactivate Urgent Alert.
https://apps.apple.com/us/app/korbyt-kompass/id1445416808
https://play.google.com/store/apps/details?id=com.rmgnetworks.korbyt.kompass

Korbyt Android Player
Android Digital signage player based on NVIDIA Shield.
- Design & develop a nano HTTP server on android to present and parse data from webserver to android webview.
- Develop a Player Service module page to perform utility operations like live screenshot, get logs, perform reboot, clear cache, etc.
https://play.google.com/store/apps/details?id=com.rmgnetworks.korbytandroidplayer

Korbyt Content Management
Korbyt Content Management is a Content management platform(CMS) to manage digital signage tenant content.

My Contribution
- Worked on Korbyt Message builder section to embed dynamic content into the player.
- Develop Youtube, Media Grid, Table element which can be configured into canvas & play content.
  https://www.korbyt.com/home

Languages

Bangla (Native or Bilingual), English (Full Professional)

Certifications
- Kotlin Essential Training: Functions, Collections, and I/O
- Advanced Java Programming
- Kotlin for Android: Best Practices
- iOS 15 Development Essential Training
- iOS App Development: Design Patterns for Mobile Architecture
- Advanced iOS App Development: MapKit & Core Location
- Agile Project Leadership

Honors And Awards

OIC awarded full scholarship for 4 years of undergraduate study.	2012-2015
Higher Secondary Level Education Board Scholarship 2011.	2011-2015
Receive Awards in Mecceleration in Line Following Robot Competition	2014
Participated and reach final Top 16 (Out of 500) in EATL apps competition (Largest App Development competition in Bangladesh)	2015
Being listed in Top 15 programming answerers from Bangladesh in Stack Overflow (A site for professional computer programmers to ask different programming related problems)	2017
KorbytGO – ISE Award Winner for Best ProAV Mobile App.	2018
Korbyt - Digital Signage Award Winner for Software Innovation (Sixteen Nine).	2019
Ranked among top 10 Github contributors from Bangladesh.	2022

Profile Links
- Personal Website: https://rafsanahmad.github.io/
- LinkedIn profile: https://www.linkedin.com/in/rafsan-ahmad-943543105
- Stack overflow profile: https://stackoverflow.com/users/6139861/rafsanahmad007?tab=profile
- Github Profile: https://github.com/rafsanahmad
- Hacker Rank profile: https://www.hackerrank.com/NULL_0
- Leetcode profile: https://leetcode.com/NULL_0/

References: Available Upon Request.