

MD Tanveer Islam

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Professional Android Developer with 4 years of working experience. Good at bringing team members together to reach a common goal in time and under budget. Adept at client handling and learning new technologies of modern time. Committed to viable and easily functional app solutions.

Technical Skills

- **Programming Stacks** : Java, Kotlin, C/C++, PHP, JavaScript, Python
- **Android skills** : Android SDK, Jetpack Architecture, Room, FCM, Firebase, Google APIs, Sensor Data, Glide, REST APIs, GSON, Realm.
- **Databases** : MySQL, SQLite, Room, Realm, Firebase database
- **Tools** : GIT, Jira, Jenkins, Trello, Clickup, Slack
- **Operating Systems** : Linux, Windows
- **Other platforms** : Laravel, QT

Experience

Smarter AI

Technical Lead

January 2020 - Present

- Working as a technical lead of Mobile application development team and Console team. Managing software releases efficiently in time by maintaining proper process flows and team collaborations.
- Working on a IoT-based IP camera viewer application for real-time streaming and displaying AI events. Technologies used in this project are Java, Kotlin, Android NDK, Mediacodec, BLE, Room database, LiveData, Data binding, Viewmodel, Retrofit, Glide, GSON.
- Developed several test automation tools to test functionalities of Smarter AI native libraries.

REVE Systems Limited

Software Engineer

January 2019 – December 2019

- Worked on numerous VOIP-based calling and messaging applications using UDP, SIP, and Signal protocols.
- Contributed on several modules of a base dialer project and automated the build process.
- Collaborated with teammates, QA, business team members for requirement analysis, planning, and time estimation for various client project deliveries.

InfancyIT

Junior Software Engineer

October 2017 - December 2018

- Contributed on numerous client based and product based applications.
- Maintained and published applications to Google Play store using the Developer console.
- Developed REST APIs using Laravel.
- Explored and implemented numerous 3rd party technologies in product based applications. Used Firebase storage, Firebase database, Realm, FCM for many small and medium scaled apps.

Projects

Smarter AI Camera App : This is the viewer application for vision enabled IP cameras of Smarter AI. The app is used to onboard the cameras, see live streaming, trigger manual recordings and see the recorded AI events triggered by vision, sensors, CAN Bus and users.

Teleport Communicator : This is a dialer app with gsm and free audio / video call support, messaging, DID, caller id and recharge. Call initiation is established through SIP protocol and free calls are established through WebRTC.

Talk Time : This is another dialer application with free / paid audio call, top-up, recharge and DID support.

Acrelec Driver : This is a task tracker app which is used by stores of two well renowned companies of Germany and Netherlands. This app sends realtime location of the delivery men of these stores, monitor malicious movements and also calculate the estimated delivery and return time using Google Maps APIs.

Skylearning – A Clustered P2P Based Video Streaming Platform : This project is developed based on my undergraduate thesis work. The system is developed using Peer-to-Peer network structure for reducing unnecessary loads on the streaming server. UDP hole punching and Relaying both are used for NAT traversal. Also ISP based clustering is done for reducing dependency on relaying.

Education

Shahajalal University of Science and Technology, Sylhet

Bachelor Of Science in Computer Science And Engineering
(2013 - 2017)

Cantonment Public School and College, Rangpur

Higher Secondary Certificate(HSC) Examination
2012

Cantonment Public School and College, Rangpur

Secondary School Certificate(SSC) Examination
2010