

Sujoy Chanda

Software Engineer

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Work Experience

Big Foot Retail Solutions (Shiprocket, Gurugram)

May/2022 - Present

Projects :-

WMSHHT

- App uses connection with Bluetooth Bar-code Scanner as keyboard and regular keyboard is restricted..
- App uses different methods of sharing and uploading files such as API's(JSON) and Room Database(based on SQLite).
- Implemented storage Data encryption, root detection, etc. for better security of applications.
- Implemented Paging 3 with Recycler view of task lists.

AMSHHT & FMSHHT

- Development and improvement of AMSHHT and FMSHHT app used for attendance using ID card QR/Bar-code.
- Used ML kit library to scan the QR code and convert it into text and use to process the data.
- Used Async and URL connection to enable connection using API's.

TATA CONSULTANCY SERVICES (TCS, Bangalore)

July/2019 - May/2022

Projects :-

Data transfer using Retrofit API's/Sockets in internal APP

- Required to have the data to be viewed in the app that was created for the clients to operate the process on mobile.
- Attachments can be huge and it would require to be downloaded which was handled using Sockets.
- Used Retrofit API library to GET/POST/PUT data which was handled in app using GSON converter into readable Kotlin object data.

Hedging

- Currency Exchange conversion tool and process.
- Fetching the data from SAP tool about the present amount with respected currency and sending to Treasury that deals with money related transaction.
- Implemented the solution in which collecting the amount across different production units of project and splitting currency automatically using exchange rates in between the currencies so that no failure due to excessive amount takes place.

Education

GL Bajaj Institute of Technology and Management (B.tech Computer Engineering) – July/15 - June/19 (4 years)

Vidya Mandir Public School (Intermediate 11th-12th) – April/13- March/15 (2 years)

Personal Projects

Video Streaming using Exoplayer

- Streaming videos from different of sources i.e. HLS, DASH, RTSP etc into android application similar to OTT platforms.

RTSP server that emits UDP stream

- In order to play videos in local WiFi devices, i created small scale RTSP server that can stream videos in nearby devices.

Augmented Reality object using AR Core

- AR project with changing colors of the object created on the camera, the object will not change position and will stay in the same place even if camera is moved.

Work Highlights

- (Shiprocket) Implemented MVVM and Paging for better performance of task lists.
- (Shiprocket) Upgraded apps Api's structure to Retrofit and changed code base into Kotlin from Java..
- (Shiprocket) Improved app performance and security with better user experience..
- (Shiprocket) Created a better and more automated system which reduced the efforts from support team.
- (TCS) Reduced manual efforts for the system by introducing 10+ improvements with the ongoing business projects.

Technical Skills

- **Programming languages** – Java, Kotlin, React, Dart.
- **Mobile Frameworks** – Android, Flutter, React-Native.
- **Database** – Oracle 12c, Firebase, Room Database(SQLite).
- **Data Visualization** – MS Excel, XML, JSON.
- **Web Framework** – Restful APIs, Retrofit APIs, Soap Webservices.
- **IDE's** – Android Studios, IntelliJ, VS code, PyCharm, Eclipse.
- **Libraries** – Sockets, RoomDatabase, Paging 3, Dagger, Maps, Recaptcha, AR Core, Deeplink.
- **UI tools** – HTML/CSS3, XML, Flutter, React-Native.
- **Scrum tools** – JIRA, Confluence, BMC Remedy.
- **VCS** – GIT, Bit-Bucket, Github.
- **API Testing** – Postman, Android Studios Inspector, Browser(Chrome, Mozilla) Console.