

Papan Manna

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EDUCATION

Meghnad Saha Institute Of Technology , Kolkata

2014 - 2018

Bachelor of Technology, Computer Science

EXPERIENCE

BookMyForex - MakeMyTrip Group

Jan 2023 – present

(Senior Software Engineer)

- Leading development and maintenance of the BookMyForex Android application.
- Architected and implemented core features using Kotlin and Java.
- Leveraged MVVM architecture with ViewModel, LiveData, Dependency Injection and Kotlin Coroutines.
- Integrated EncryptedSharedPreferences for secure data handling.
- Optimised app performance with battery usage improvements, code refactoring and obfuscation..
- Implemented Firebase services: Push Notifications, Dynamic Links, Remote config, Crashanalytics, In-App messaging etc.
- Migrated some sections from native into react JS using native WebView and Next.js. Implemented a bridge SDK for Native to JS interaction.
- **DeliverFX**: Developed the delivery executive application from scratch using Next.js and styled components. Using the Bridge SDK build this application on native android.

ST Labs, Bangalore

May 2021 – Dec 2022

(Mobile Engineer II)

- **Six Sigma Sports** : Developed a decentralised sports betting Android app built on the Solana blockchain.
- Used MVVM Clean architecture with Dagger-Hilt for Dependency Injection.
- Integrated GRPC-based blockchain communication for real time updates.
- Connected third-party real-time feed providers for live match data.

Geotech Infoservices Pvt Ltd, Kolkata

Jul 2018 – May 2021

(Software Engineer)

- Worked as Full-stack mobile engineer across Android(Java, Kotlin), iOS(Swift) and Web(PHP, Symphony, JavaScript).
- Collaborated on multiple end-to-end projects across diverse domains.
- **Real Fantasy Teams** : Developed core features like Team creation, formation editing, In-app purchases. Integrated RxJava and various payments gateway like Paytm, Google Pay.
- Taken care of the security concerns e.g Code obfuscation, LocalData Encryption etc.
- **AXA IN(Conneqtech)** : Built real-time bike tracking Android app suing Kotlin and RxJava. Implemented geofencing, state management with Redux and advanced UI animations.
- **Bergh Brandscheidingen**: Built Fire safety tracking Android app using Java. Implemented offline-first architecture with RealmDB and Retrofit syncing.
- **Rommtech Smart Bins** : Developed iOS app using Swift for managing ultrasonic sensor-enabled smart dustbins. Used UIKit, MapKit, Alamofire for UI and Networking.
- **NNEK** : Created backend featured for a financial platform using Symphony and PHP. Worked with Doctrine ORM, CMS module, cron jobs and SwiftMailer for Email Notifications.

TECHNICAL SKILLS

Languages: Java, Kotlin, Swift, JavaScript, PHP.

Frameworks & Tools: Android SDK, Android Studio, iOS UIKit, Django, Next.js(React), Symfony(PHP).

Databases: RealmDB, SQLite, MySQL.

DevOps/Infra: Firebase, GRPC, Cosmos SDK, Docker, Git.