ISMAM HASAN OVI

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SUMMARY

Kotlin-focused Android Developer specializing in Jetpack Compose, modern Android architecture, and cross-platform foundations (KMP/CMP). Builder of production-level apps with clean, scalable codebases and strong UI/UX focus. Experienced with REST APIs, offline-first design, performance optimization, and end-to-end application lifecycle. Passionate about delivering robust, smooth, user-centric mobile experiences.

PROJECTS

DIU Campus Schedule Ecosystem (Android & Web) | *Lead Developer*

A complete university scheduling ecosystem used by over 6,000 students and teachers.

- ***Android App (Play Store Published):*** Built entirely with Kotlin, Jetpack Compose, and Material 3.
- ***Web App (PWA):*** Developed a Progressive Web App using Next.js 16, React 19, TypeScript, and Tailwind CSS 4.
- **Backend & Sync:** Integrated Firebase Authentication, Firestore, and FCM notifications for real-time data sync across platforms.
- **Key Features:** Offline-first class & exam routine with real-time Firebase sync, Custom notification system with background WorkManager and pagination, role-based profiles (Student/Teacher), rich note-taking system, and live home screen widgets using Jetpack Glance API.
- **Architecture:** Applied Clean Architecture with Hilt dependency injection for scalability and easy maintenance.
- Managing full release cycle, bug fixes, and real-time improvements.

SilentSync | *Lead Developer*

Smart silent mode scheduler for Android automating sound profiles.

- Implemented time-based schedules, location-based geofencing, and Google Calendar synchronization.
- Utilized WorkManager and AlarmManager for reliable background task execution and persistence.
- Integrated Google Play Billing for premium features via in-app purchases.
- **Tech:** Kotlin, Jetpack Compose, Clean Architecture, Room, Hilt.

Where| *Lead Developer*

An advanced location tracking and group management Android application. Features real-time map synchronization and robust background location services.

- *Real-time location tracking with background services.*
- Live map synchronization across devices using Google Maps SDK.
- Comprehensive group creation, management, and sharing.
- **Tech:** Kotlin, Jetpack Compose, Google Map SDK, Material 3, Firebase, Node JS, WebSocket.

SKILLS

Android & Cross-Platform

- Kotlin, Jetpack Compose, Material 3
- Android SDK, KMP, CMP basics
- Clean Architecture, MVVM, Multi-module
- Room DB, DataStore, WorkManager
- Coroutines, Flow, Threading, Performance Tuning
- REST APIs, JSON handling, Retrofit/OkHttp
- Firebase (Auth, Firestore, FCM), WebView
- Dependency Injection (Hilt)

Web & Backend:

- JavaScript, TypeScript, React (v19), Next.js (v16), Tailwind CSS, Ktor, Firebase (Auth, Firestore, FCM)

Tools & Practices

- Git/GitHub, CI/CD basics
- Agile/Scrum
- Dependency Injection (Hilt)
- Unit Testing & UI Testing Basics

Languages

- Kotlin, Java, C/C++, JavaScript, TypeScript, SQL(MySQL)
- Bangla (Native), English (Fluent)

COMPETITIVE PROGRAMMING

- ICPC Asia Dhaka Regional — Participant (2024)
- Codetrap DIU 2024 — Participant

EDUCATION

Bachelor of Science in Software Engineering
Daffodil International University
2023 - 2027