

ROHIT CHAVAN

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Software Engineer with 4 years of experience building scalable mobile applications and cross-platform systems. Strong expertise in Kotlin, data structures, and system fundamentals, with hands-on experience leading end-to-end product development. Proven ability to optimize performance, design clean architecture, and deliver high-quality user-centric features. Experienced in Kotlin Multiplatform and building shared business logic across Android and iOS.

PROFESSIONAL EXPERIENCE

Field Circle | Nov 2024 - Present

Software Engineer - Android.

- Owned end-to-end development of Zapium(formerly FieldCircle), a full scale Android app serving field operations team covering work order, inspections, real-time location tracking, timesheets, and asset management. Drove feature development, testing, and multi-environment release management.
- Designed scalable architecture using MVVM and Clean Architecture, improving code maintainability and modularity.
- Led migration of legacy Java codebase to Kotlin, reducing boilerplate and improving developer productivity.
- Build a cross-platform mobile application (Android and iOS) for HyTorc using Kotlin Multiplatform and Compose Multiplatform, sharing 95% of the codebase.
- Collaborated with backend, product, and design teams to deliver production-grade features across multiple environments.

Baatu Technologies | May 2022 - Oct 2024

Android Developer.

- Developed and maintained multiple Android applications with focus on scalability, performance, and maintainability.
- Implemented features involving background processing, inter-process communication(AIDL), and system-level integrations.
- Build screen time and parental control features using WorkManager, Services, and Content Providers.
- Improved app stability and compatibility across a wide range of Android devices and screen sizes.
- Collaborated in agile teams to deliver features with high code quality and maintainability.

PROJECTS

Zapium - Enterprise Field Service Management App (at FieldCircle)

- **Technologies used** - Kotlin, Java, MVVM, Dagger 2, RxJava, LiveData, Room, Retrofit.
- **Key Features** -
 - Comprehensive job scheduling, dispatching, and work order management
 - Real-time GPS based field worker tracking and location services.
 - Dynamic form rendering engine supporting inspections and configurable workflows.
 - Asset management with bookable status tracking and availability.
 - Attendance, timesheet, and expense management for field operations teams.

Document Scanner android App - (Available on the [Playstore](#) | [Source-Code](#))

- **Technologies used** - Kotlin, Jetpack Compose, CameraX, ViewModel, Flow, Coroutines, MVVM architecture, Dependency Injection - Hilt.
- **Key Features** -
 - Image capture and document scanning using CameraX.
 - Clean and intuitive UI built entirely with Jetpack Compose.
 - Document sharing functionality for easy export and distribution.

Image Crop Library For Jetpack Compose - (Source-Code [GitHub](#))

- **Technologies used** - Kotlin, Jetpack Compose, Canvas API.
- **Key Features** -
 - Supports free-form, square, and circular cropping styles.
 - Real-time cropping UI with adjustable crop view rectangle.
 - Lightweight and optimized for performance, ensuring smooth integration.

Screen Time and Sleep Time Feature - (at Baatu.Tech)

- **Technologies used** - Kotlin, Coroutines, Room Database, LiveData, MVVM architecture, Content Provider, WorkManager, Service, Navigation Component, AIDL.
- **Key Features** -
 - Allows parents to set daily or weekly screen time limits, locking the device once the limit is reached.
 - Configurable sleep time that restricts device usage during defined hours.
 - Integrated with content providers for seamless data sharing and management across apps.

Hytrac - Industrial Bolting Solutions Mobile App

- **Technologies used** - Kotlin, Compose Multiplatform, Jetpack Compose, Ktor, Koin, SQLDelight, Coil.
- **Key Features** -
 - Cross-platform app (Android and iOS) with 95% shared codebase using Compose Multiplatform
 - Product catalog with PDF documentation, torque reference charts, and image carousels.
 - 24 / 7 support system with call and email options, and geolocation based specialist locator.
 - MVVM + Clean Architecture with offline storage, biometric authentication and type safe navigation.

TECHNICAL SKILLS

Programming Languages - Kotlin, Java.

Core CS : Data Structures, Algorithms, Problem Solving.

Android Development :

Jetpack Compose, Android SDK, MVVM, Clean Architecture.

Asynchronous Programming :

Coroutines, Flow, RxJava.

Networking :

Retrofit, Ktor, REST APIs.

Storage :

Room, DataStore, SharedPreferences.

Tools and Frameworks :

Dagger/Hilt, Koin, Firebase, Git.

Cross-Platform :

Kotlin Multiplatform, Compose Multiplatform.

Collaboration tools :

GitHub, Git, Jira, Trello.

EDUCATION

Dr. Babasaheb Ambedkar Technological University. | 2021

B.Tech Computer Science - CGPA - 7

ACHIEVEMENTS

- Led development of production grade enterprise Android application.
- Build cross-platform system with 95% shared code using Kotlin Compose Multiplatform.
- Developed and open sourced a Jetpack Compose Image Cropping Library.
- Solved 900+ algorithmic problems on LeetCode, specializing in graph algorithms, dynamic programming and advanced data structures; Consistently optimized solutions for time and space complexity.

Personal Profiles

LinkedIn - [rohit chavan](#) | GitHub - [rroohit](#) | LeetCode - [rohit](#)