

Subamaarleshar B

MOBILE DEVELOPER (ANDROID/FLUTTER)

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Summary

Mobile developer with 3+ years of experience building production mobile applications and transitioning to native Android development using Kotlin. Experienced in MVVM architecture, Room/SQLite databases, REST API integration, and scalable UI development, with a strong focus on clean architecture and maintainable mobile solutions.

Experience

Educational Initiatives | Software Development Engineer

Dec 2023 - Present

Mobile Application Development

- Delivered 10+ production mobile features across Android and iOS applications following MVVM and clean architecture principles.
- Built reusable UI components improving development efficiency by 30% across 15+ application flows.
- Developed responsive and adaptive UI supporting multiple screen sizes and devices.
- Implemented Bitbucket CI/CD pipelines, reducing QA release cycles by 40%.

Backend and API Development

- Optimized RESTful APIs using PHP and Node.js, reducing execution time from **13 minutes to 20 seconds** through query and code optimization.
- Resolved 60+ production issues across APIs and databases via root cause analysis, improving system stability for 2,400+ users.

Ernst and Young Global Delivery Services | Security Analyst - 2

Oct 2022 – Dec 2023

- Performed Static Application Security Testing (SAST) and manual code reviews on 46 web applications to identify vulnerabilities in web applications contributing to 20% in reduction in security risks.
- Automated security workflows using Python, PowerShell, and VBA, reducing manual effort in scanning and report generation by 100%.

Skills & abilities

Mobile Development: Kotlin, Android (MVVM, Room/SQLite), Flutter, REST API integration, responsive UI, state management (Provider), Hilt

Backend & Databases: PHP, Node.js, API design & optimization, MongoDB, PostgreSQL, SQLite

Tools & Platforms: Git, Android Studio, Firebase Crashlytics, MS Clarity, Postman, Figma, Agile/Scrum

Projects

- **Expense Tracker (Kotlin | MVVM | Room | Hilt | Retrofit | SQLite)** - Offline-first Android expense management application built using MVVM and Clean Architecture principles, integrating REST/JSON APIs via Retrofit, RoomDB for local persistence, and SharedPreferences for secure local storage and state management.
- **Responsive Helper** - Flutter utility for proportional UI scaling based on Figma design specifications across different screen sizes.

Education

Mepco Schlenk Engineering College, Sivakasi

2018 - 2022

Bachelor of Engineering, Computer Science Engineering – 8.9 CGPA