

# AGATHEESH S

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## PROFILE SUMMARY

A highly skilled Android Application Developer with over 3 years of experience in designing, developing, and maintaining Android applications, including scalable solutions for mobile and Android TV platforms. Proficient in Kotlin, Jetpack Compose, XML, and MVVM architecture, with deep expertise in Android Studio, Android SDK, and Jetpack libraries.

Specialized in building responsive, user-friendly UIs optimized for large-screen devices and Android TV. Passionate about clean architecture and writing high-quality, maintainable code that enhances user experience. Experienced in API integration, data persistence, and performance optimization using modern Android development practices.

## TECHNICAL SKILLS

- Languages** : Kotlin (Primary), Java (Basic understanding).
- Android** : Jetpack Compose, XML (UI Layouts) , ViewModel, LiveData, Navigation Component, Room, WorkManager, MVVM (Model-View-ViewModel) Clean architecture ,ExoPlayer for media streaming.
- Tools & Platforms** : Android Studio, Git & GitHub/GitLab, Firebase (Analytics, Crashlytics, Remote Config, FCM), Gradle, Postman, SoapUI, Play Store Console (App deployment and analytics).
- API & Integration** : RESTful APIs, Retrofit, JSON, Payment Gateway Integration.
- Other** : Android SDK, Material Design, Coroutine,Responsive UI for multiple screen sizes (Mobile, TV).

## PROFESSIONAL EXPERIENCE

### Android Developer:

#### Project I :-

#### IPTV Streaming App (Android TV) (Kal Cable’s Pvt Ltd – Chennai):

10/2024 – Present

**Project:** IPTV Streaming App (Android TV) Developing a high-performance Android TV application for live channel streaming over IP networks.

#### Key Contributions:

- Integrated Media3 ExoPlayer for low-latency playback of 100+ live TV channels via UDP URLs.
- Managed dynamic channel metadata using secure REST APIs.
- Optimized UI for Leanback interface, D-Pad navigation, and multi-resolution displays.
- Implemented robust error handling and fallback logic to ensure stream stability.
- Collaborated with backend and QA teams to refine API design and playback experience.
- Reduced stream startup time by 25% through performance tuning and buffering enhancements.
- Built diagnostics features for stream validation and real-time playback monitoring. Tech Stack: Android TV, Kotlin, Jetpack Compose, Media3, ExoPlayer, UDP Streaming, REST API, Leanback UI.

#### Project II :-

#### BTS (Bill Tracking System) Project – (Kal Cable’s Pvt Ltd – Chennai):

09/2023 - 06/2024

**Project:** Bill Tracking System (BTS) Designed and implemented an internal expense tracking system for Sales Executives and Management.

#### Key Contributions:

- Developed a workflow for bill generation, approval, and reimbursement across multiple teams.
- Enabled real-time tracking of expense claims for Sales Executives.
- Streamlined communication between Sales, Management, and Finance teams.
- Reduced manual intervention and improved transparency in expense handling.
- Ensured secure and efficient data flow throughout the approval hierarchy.

## EDUCATION

- **Master of Computer Application (MCA)** **06/2020 - 06/2022**
  - Nehru Memorial College, Bharathidasan University, Trichy.
- **Bachelor of Computer Science (B.SC)** **06/2017 - 04/2020**
  - Nehru Memorial College, Bharathidasan University, Trichy.

### Academic Project:-

- **LOCATION BASED SMART BLOOD DONOR SYSTEM:-**  
Nehru Memorial College, MCA Final Semester Project **01/2022 – 04/2022**
  - **Technologies Used** : Android, SQLite
  - **Project Overview** : Developed a mobile application to locate blood donors within a 50 km radius using location-based services. The system includes two modules:
  - **Admin Module** : Manages blood bank and donor details including name, address, blood type, and medical information.
  - **User Module** : Allows users to search for donors based on blood group and location.
  - **Key Features:-**
    - Real-time donor search and blood bank listing
    - Blood group-wise and monthly reporting
    - User and donor management with secure access
    - Efficient data handling for blood stock and donor records
    - Reduces time spent in finding suitable donors during emergencies

## CERTIFICATIONS

- **Android Course(Pursuing UDEMY Online Course)** **11/2023 – 04/2024**
  - Application development in Kotlin
- **Full Stack (Greens Technologys,Chennai)** **10/2022 - 04/2023**
  - Html, Css, Javascript, React Js, Node js
- **Python(GR Soft Tech,Trichy)** **12/2021 - 01/2022**
  - python, Django