

Shankar Kumar

Lead - Technology

OVERALL EXPERIENCE: 8.5 Years

Certification & Award

- . Agile Fundamentals from Udemy
- . Master CI/CD for Android developers
- . Star of the Month award - L&T

TECHNICAL SKILLS

Languages: Kotlin, Java

Android Development: Android SDK, Android Studio, Coroutines, Jetpack components, Jetpack compose & Flows

Backend Integration & APIs: REST APIs, Retrofit, OkHttp, JSON, Firebase, Google Map services

Databases: SQLite, Room DB

UI/ UX Design: Custom animations and transitions, Responsive UI, Accessibility

Testing/ Debugging: JUnit, Mockito, Espresso, Logcat, Code profiling

Dependency Injection: Dagger, Hilt

Architectural Patterns: MVP, MVVM, Clean Architecture

Version Control: Git, SVN, GitHub, Bitbucket

Integration & Deployment: CI/ CD pipelines (Jenkins, Bitrise), Play Store deployment

SDLC and Tools: Agile methodologies (Scrum), JIRA

Android Security: Encryption & Decryption, ProGuard, Code Obfuscation

EDUCATION

B.Tech

DR. M.G.R. Educational and Research, Institute University, Chennai

- **Android App Development:** Extensive experience in Android application development, maintenance, and production to playstore, with a strong track record in building corefeatures for apps with millions of users.
- **Payment Gateways:** Proficient in implementing payment gateways like PayUMoney and RazorPay, ensuring secure and efficient financial transactions within apps.
- **Coroutines and Databases:** In-depth knowledge and hands-on experience in using Coroutines for asynchronous programming Proficient in managing databases, including Firebase, SQLite DB, and Room DB.
- **Android SDK and Libraries:** Highly skilled in the latest Android SDKs, frameworks, and libraries, enabling the development of robust and feature-rich applications.
- **UI/ UX Design:** A solid understanding of mobile UI/ UX design principles and best practices, ensuring user-friendly and visually appealing interfaces.
- **IOT:** Hands-on experience with BLE and hardware communication.
- **Architectural Expertise:** Proficient in various architectural patterns, including MVP, MVVM, and Clean Architecture, to design scalable and maintainable apps.
- **Jetpack Components:** Experienced in utilizing Jetpack components such as LiveData, DataBinding, ViewBinding, WorkManager, ViewModel, and NavigationGraph to enhance app functionality.
- **Firebase Services:** Skilled in working with Firebase services like Authentication, Cloud Firestore, and Cloud Messaging, enhancing the app's real-time capabilities.
- **Testing and Debugging:** Proficient in using testing and debugging tools like JUnit, Mockito, and Espresso to ensure app reliability and stability.
- **Dependency Injection and Integration:** Expertise in integrating REST APIs and web services using tools like Dagger and Hilt, fostering robust app performance.
- **Jetpack Compose and Security:** Hands- on experience in Jetpack Compose for modern UI development and knowledge of Android security best practices, including encryption and code obfuscation.
- **SOLID Principles:** Proficient in writing clean and maintainable code following SOLID principles, contributing to software quality.
- **Software Development Methodologies:** Strong understanding of software development methodologies and agile practices, ensuring efficient project execution.
- **Version Control and Project Management:** Experience with version control systems like Git and project management tools like JIRA, facilitating collaboration and organized development.
- **CI/ CD:** Proficient in Continuous Integration and Continuous Deployment (CI/ CD), streamlining the app release process.
- **Project Lifecycle:** Contributed to the entire mobile application development lifecycle, from planning and requirement gathering to testing and launching on Google Play Store.
- **Mentoring:** Mentored junior associates, demonstrating leadership and knowledge-sharing skills.
- **Client Collaboration:** Proficient in collaborating with clients, business managers, and technical teams to successfully execute concurrent projects.

EMPLOYMENT HISTORY

Synechron Technologies Pvt. Ltd Mobile Lead	Sep 2023 - Jan 2024
ValueLabs Sr. Software Engineer	Jan 2023 - Aug 2023
Attra Infotech Sr. Software Engineer	Dec 2020 - Dec 2022
3K Softech Pvt. Ltd Sr. Software Engineer	Sep 2019 - Dec 2020
L&T Technologies Services Sr. Software Engineer	Nov 2018 - Jul 2019
BigAppCompany Sr. Software Engineer	Sep 2015 - Jun 2018
EMOBI Technologies Pvt. Ltd Software Engineer	Jul 2014 - Aug 2015

PROJECTS

Project: Decathlon Sports India

Role: Lead

Client: Decathlon

Languages: Kotlin, XML

Web Services: JSON, Retrofit, Rx Java, Algolia Search

Architecture Pattern: MVVM, MVP, Data Binding, LiveData, EventBus

Description: Worked on the Decathlon Sports App for India.

Responsibilities:

- Involved in coding and bug fixes in various modules..
- Managed a team of five developers, assisted teams with coding tasks, assigning tickets, and daily updates.
- Collaborated closely with the design team to match mockups.
- Utilized JIRA for project tracking and reporting.

Project: HSBC Digital Payment

Role: Sr. Developer

Languages: Kotlin, XML

Web Services: JSON, Retrofit, RxJava

Architecture Pattern: MVVM, Clean Architecture, Data Binding, LiveData

Description: Worked on HSBC digital payment for the Australia region.

Responsibilities:

- Involved in coding and bug fixes in various modules.
- Collaborated closely with the design team to match mockups.
- Utilized JIRA tool & Bit Bucket for project management and version control.

Project: Omni SDK (Library)

Role: Team Lead,

Organization: 3K Softech Pvt. Ltd.

Languages: Kotlin, Java, XML

Web Services: JSON, Retrofit, Rx Java

Architecture Pattern: MVVM, Data Binding, LiveData

Description: Omni SDK is an SDK for Client Omni, capturing images using a custom camera and Tensorflow.

Responsibilities:

- Utilized Camera2 API for image capture.
- Used Glide for image acquisition and display.
- Involved in-app maintenance and bug fixes.
- Collaborated closely with the design team.
- Utilized JIRA for project tracking and reporting.

Project: Smart Home (IOT) Role:

Team Lead, Active Developer

Languages: Kotlin, Java, XML

Web Services: JSON, Retrofit, Rx Java

Architecture Pattern: MVVM, Data Binding, LiveData

Description: Smart Home allows homeowners to control appliances, thermostats, lights, and other devices remotely using a smartphone or tablet.

Responsibilities:

- Collaborated with cross functional teams to design, and develop new features.
- Worked in an Agile environment, participating in design and development phases.
- Employed Bluetooth for offline data transfer.
- Collaborated closely with the design team.
- Employed JIRA & Bit Bucket for project management and version control.
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Project: Med Expertz - Patient

Role: Team Lead, Active Developer

Languages: Kotlin, Java, XML

Web Services: JSON, Retrofit, Rx Java

Architecture Pattern: MVVM, Data Binding, LiveData

Description: Med Expertz - Patient is an online doctor consultation app, enables patients to select a doctor, book appointments, view prescription details, health records, and consultation history.

Responsibilities:

- Collaborated with cross functional teams to design, and develop new features.
- Worked in an Agile environment, participating in different project phases.
- Used Glide for image acquisition and display.
- Worked closely with the design team as per the mockup.
- Jira tool & Bitbucket
- Implemented twilio for video calls

Project: Med Expertz - Doctor

Role: Active Developer

Languages: Kotlin, Java, XML

Web Services: JSON, Retrofit, Rx Java

Architecture Pattern: MVVM, Data Binding, LiveData

Description: Med Expertz - Doctor is an online doctor consultation app, that allows patients to select a doctor, book appointments, view prescription details, health records, and consultation history.

Responsibilities:

- Collaborated with cross functional teams to design, and develop new features.
- Worked in an Agile environment, participating in different project phases.
- Used Glide for image acquisition and display.
- Worked closely with the design team as per the mockup.
- Jira tool & Bitbucket
- Implemented twilio for video calls

Project: Thales (Video Room Service - Video Call App)

Client: Thales

Role: Design & Development

Organization: L&T Technology Services

Languages: Kotlin, Android, XML

Description: This video call application facilitates communication between crew members and first-class passengers.

Responsibilities:

- Analyzed User Stories and participated in sprint planning, scrums, and demos..
- Utilized Web Socket for socket connection.
- Employed Google WebRTC for video calling.
- Used Event Bus library for fragment communication.
- Participated in continuous integration, optimization, and code delivery, troubleshooting issues as needed.

Project: Thales (BLE - Bluetooth Low Energy)

Client: Thales

Application Name: BLE (Bluetooth Low Energy)

Role: Design & Development

Organization: L&T Technology Services

Languages: Kotlin, Android, XML

Web Services: JSON, Retrofit

Architecture Pattern: MVVM, Data Binding

Responsibilities:

- Worked in an agile environment, participating in daily standup meetings.
- Designed a rich user interface using Android UI Layouts and Fragments.
- Implemented a Push Notification system for notifying users of new deals.
- Provided production support by interacting with end-users and resolving bugs.

Project: PujaNPurohit

Role: Design & Development

Organization: BigAppCompany

Languages: Kotlin, Android, XML

Web Services: JSON, Retrofit, Rx Java

Architecture Pattern: MVP, Data Binding

Responsibilities:

- Designed a rich user interface using Android UI Layouts and Fragments.
- Implemented a Push Notification system for notifying users of new deals.
- Implemented Firebase Push Notification.
- Provided production support by interacting with end-users and resolving bugs.

Project: Karma for You

Client: Karma for You

Role: Design, Development & Deployment

Organization: BigAppCompany

Languages: Android, XML

Web Services: JSON, Retrofit

Architecture Pattern: MVP

Responsibilities:

- Designed a rich user interface using Android UI Layouts and Fragments.
- Implemented a Firebase Push Notification system for notifying users of new
- Provided production support by interacting with end-users and resolving bugs.

Project: RSAOI

Client: RSAOI Bangalore

Role: Design, Development & Deployment

Organization: BigAppCompany

Languages: Android, XML

Web Services: JSON, Retrofit

Responsibilities:

- Designed a rich user interface using Android UI Layouts and Fragments.
- Implemented a firebase Push Notification system for notifying users of new
- Implemented firebase authentication to
- Provided production support by interacting with end-users and resolving bugs.

Project: Moveza Fitness

Role: Design, Development & Deployment

Organization: BigAppCompany

Languages: Android, XML

Web Services: JSON, AsyncTask

Responsibilities:

- Designed a rich user interface of the application using Android UI Layouts and Fragments.
- Implemented a firebase Push Notification system for the app to send user notifications.
- Implemented a Payment Gateway for accepting payments online.
- Provided production support by interacting with end-users and resolving bugs.

Project: Soft Galli

Role: Design, Development & Deployment

Organization: BigAppCompany

Languages: Kotlin, Android, XML

Web Services: JSON, AsyncTask, Retrofit, RxJava

Responsibilities:

- Designed a rich user interface of the application using Android UI Layouts and Fragments.
- Implemented a Push Notification system for the app to send user notifications for new deals.
- Implemented Firebase Push Notification.
- Implemented a Payment Gateway for accepting payments online.

Project: Book Shop (Bjain)

Client: Book Shop (Bjain)

Role: Design, Development & Deployment

Organization: Emobi Technologies Pvt. Ltd

Languages: Kotlin, Android, XML

Web Services: JSON, AsyncTask

Responsibilities:

- Designed a rich user interface of the application using Android UI Layouts and Fragments.
- Implemented a firebase Push Notification system for the app to send user notifications.
- Implemented a Payment Gateway for accepting payments online.

Project: OBA (Optimum Badminton Academy)

Client: OBA (Optimum Badminton Academy)

Role: Design, Development & Deployment

Organization: Emobi Technologies Pvt. Ltd

Languages: Kotlin, Android, XML

Web Services: JSON, AsyncTask

Responsibilities:

- Designed a rich user interface of the application using Android UI Layouts and Fragments.
- Implemented a firebase Push Notification system for the app to send user notifications for new deals.
- Implemented a Payment Gateway for accepting payments online.