

# Kiruthika devi.G

+971 544583763

g.kiruthika36@gmail.com



## Skills

Kotlin, Java, Flutter, Dart, State Management, Dagger, RxJava, Koin, MVVM/MVP/MVC, CI/CD Pipeline, Firebase, SQLite, Room Database, Retrofit, JavaScript (ES6+), TypeScript, React Native, React.js, Redux / MobX, HTML5, CSS3, Spring boot, Mobile UI/UX Design Principles, Solid Principle, Push Notifications, Websocket, c++ integration, Android NDK, TensorFlow

## Certification

### Kotlin Multiplatform Mobile (KMM) - Udemy

Certification Date: September, 2024

- Acquired comprehensive knowledge of KMM for building cross-platform mobile applications using a single codebase for both iOS and Android.
- Focused on core topics like shared code architecture, platform-specific implementations, and the use of KMM with existing Android and iOS projects.

## Total Experience - 10+ Years

### EZELINK

Dubai -UAE

July 2024 - Present

#### Application Engineer

- Designed, developed, and deployed POS mobile applications for iOS and Android platforms, ensuring seamless integration with existing retail and payment infrastructure.
- Developed RESTful APIs using Spring boot that interact with native mobile apps.
- Successfully launched POS mobile applications that improved transaction speed and user satisfaction.
- Reduced transaction errors through the integration of automatic error-checking and real-time validation features.
- Enhanced security compliance by implementing end-to-end encryption and complying with the latest PCI-DSS standards.
- Assisted in the recruitment and onboarding of new team members.

### VR Della IT Services

Trichy -Tamilnadu

June 2022 - May 2024

#### Team Lead

- Worked on IoT related projects and AWS core to send and receive data using MQTT protocol
- Developed Android applications with Flutter, Java, and Kotlin, using libraries such as Dagger2, RxJava, Retrofit2, and Glide.
- Implemented Firebase services such as authentication, Firestore, and cloud storage to provide seamless user experiences.
- working on the CI/CD pipeline to automate and streamline the development process.
- Engaged in Agile methodologies, actively participating in sprint planning, daily stand-ups, and retrospectives.
- Developed comprehensive documentation outlining processes, procedures, standards, best practices. for the team's reference.
- Assisted in the recruitment and onboarding of new team members.

**Infosys India pvt ltd**  
**Senior Consultant**

*Pune*

August 2021 - May 2022

- Worked on client projects within the Avionics domain, specializing in infotainment system development. Utilized expertise to deliver high-quality solutions tailored to client needs, ensuring seamless integration and optimal performance.
- Provided technical support for Android applications to ensure compatibility across multiple devices and operating systems.
- Actively participated in daily standups and sprint planning meetings to discuss progress updates.
- Resolved complex technical issues related to UI and UX elements by leveraging advanced debugging techniques.
- Mentored junior developers on best practices in software development, code review and debugging techniques.

**INQ Technologies**  
**Lead Developer**

*Chennai - Tamilnadu*

June 2020 - July 2021

- Developed and integrated third-party SDKs into native Android and iOS applications, ensuring adherence to Google Play Store and Apple App Store guidelines.
- Utilized native frameworks to build robust mobile applications for both Android and iOS platforms, leveraging platform-specific features and performance optimizations.
- Designed and implemented responsive UI layouts using Android XML and iOS Storyboards, focusing on user experience and interface consistency.
- Integrated RESTful APIs for efficient data retrieval and management, implementing state management patterns like LiveData (Android) and SwiftUI (iOS) for streamlined app architecture.
- Conducted comprehensive testing using platform-specific testing frameworks (JUnit for Android, XCTest for iOS) to guarantee application reliability and performance across various devices.
- Developed proficiency in Java for Android development and Swift for iOS development, along with expertise in UI/UX design principles specific to each platform.
- Managed codebase versioning and collaboration using Git, ensuring seamless teamwork and code integrity throughout development cycles.
- Successfully deployed applications to the Google Play Store and Apple App Store, managing the submission process and addressing platform-specific requirements for publication.

**TAG Info solution pvt ltd**  
**Lead Developer**

*Chidambaram - Tamilnadu*

April 2019 - May 2020

- Assisted in the recruitment and onboarding of new team members.
- Conducted regular meetings with direct reports to review progress and address any concerns, evidencing effective management methods.
- Delegated tasks to team members according to project requirements and employee strengths.
- Communicated work goals and deadlines to employees to increase productivity and meet project benchmarks.
- Utilized Firebase services such as Cloud Messaging, Analytics and Crashlytics for better insights into user behavior.
- Provided technical support for Android applications to ensure compatibility across multiple devices and operating systems.
- Deployed applications in Google Play Store.

**HNS Technologies**  
**Senior Android Developer**

*Chennai- Tamilnadu*

March 2017 - March 2018

- Deployed bug fixes and new features using version control systems such as Git and SVN.
- Performed unit testing on newly developed features before releasing them into a production environment.
- Monitored application performance metrics such as battery usage, and memory consumption.
- Developed UI designs according to Material Design guidelines.
- Analyzed user feedback to identify areas of improvement in existing applications.

- Developed user-friendly interfaces to improve user experience on mobile devices.
- Worked closely with designers to deliver pixel perfect layouts on different platforms.
- Resolved customer issues by providing technical support via email or phone calls.
- Utilized responsive design principles for developing cross-platform apps compatible with all screen sizes and orientations.
- Integrated third-party APIs into existing applications to extend their capabilities.

**Techforge Private Limited**  
**Freelance Android Developer**

*Salem - Tamilnadu*

July 2016 - Jan 2017

- Analyzed user feedback to identify areas of improvement in existing applications.
- Collaborated with clients to develop content that was relevant to their target audience.
- Performed troubleshooting tasks when necessary to identify and fix bugs quickly.
- Established and maintained relationships with individuals recognized as credible sources of information.
- Maintained a high level of awareness about security vulnerabilities in Android apps.
- Worked closely with designers to deliver pixel perfect layouts on different platforms.
- Designed, developed and implemented Android applications with Java, XML and SQLite.

**Webixion Technologies**  
**Android Developer**

*Vizag - Andhra*

June 2014 - Feb2015

- Analyzed user feedback to identify areas of improvement in existing applications.
- Optimized code for better performance of the application on various devices.
- Participated in team meetings to discuss project progress, technical challenges and solutions.
- Built custom tools that helped streamline the development process.
- Collaborated with other developers to ensure efficient development of software modules.
- Explored latest trends in Android app development and kept up with industry standards.
- Maintained a high level of awareness about security vulnerabilities in Android apps.
- Worked closely with designers to deliver pixel perfect layouts on different platforms.
- Designed, developed and implemented Android applications with Java, XML and SQLite.

**Sports mechanics Pvt ltd**  
**Android Developer**

*Chennai - Tamilnadu*

Jan 2013 - April 2014

- Developed Android applications using Java, XML, and Android SDKs.
- Provided technical guidance to other developers when needed.
- Monitored application performance across different versions of Android OS.
- Integrated third-party libraries into existing projects.
- Troubleshooting and debugging issues related to the Android platform.
- Designed efficient database structures to store and retrieve data efficiently.

**Eminent Mobile Solution**  
**Junior Android Developer**

*Chennai - Tamilnadu*

June 2012 - Jan 2013

- As an Android developer. Integrated third-party APIs into existing mobile applications.
- Created custom components such as layouts, views, adapters, dialogs for the Android platform.
- Debugged errors related to the Android SDKs, libraries, hardware platforms and network configurations.
- Resolved compatibility issues between different versions of the Android OS across multiple device types and manufacturers.
- Designed and implemented efficient algorithms and data structures to improve performance of mobile applications.
- Developed Android applications using Java and XML to meet customer requirements.

## Projects

### Panasonic Avionics Inflight Entertainment Companion App

#### Project Overview:

- Developed the Inflight Entertainment (IFE) Companion App for Panasonic Avionics, enhancing the passenger experience during flights for our client Etihad, Lufthansa and Saudi Arabia.
- PAC offers a companion app for in-flight entertainment which is designed to enhance passenger experience onboard.
- Features included Content Streaming, Flight information, Live Tv, Interactive Map, Shopping, Crew Messaging, Seat pairing, Accessibility Features and Parental control.

#### Key Contributions:

- Led the development of key features such as multilingual support, handled RTL and LTR for Arabic language, Connect with the Inflight server and multimedia content (e.g., movies, TV shows, games) to the inflight entertainment systems.
- Collaborated with cross-functional teams to ensure timely delivery and quality assurance of the app.

#### Technologies Used:

- Platform: Android
- Languages: Kotlin
- Libraries: Dagger 2 Hilt, Retrofit, Rest API, Room Database

#### Achievements:

- Received positive feedback from clients and users for the app's user-friendly interface and functionality.

### ***Vivya Scan - Document Scanner Application***

- Developed the Vivya Scan application, a versatile scanning tool designed to streamline document scanning and management.
- Integrate In-App subscription module, Admob and Microsoft Login Module
- Implemented enhancements to existing features, improving overall system functionality & user experience.

#### Technologies Used:

- Platform: Android, iOS
- Framework : React native
- Languages: Javascript

<https://play.google.com/store/apps/details?id=com.vrdella.vivyascan>

<https://apps.apple.com/in/app/vivya-scans/id6449516149>

### ***Vivya CRM - Enterprise Application***

- Developed the Vivya CRM application, a field sales live tracking app designed to streamline your sales process and enhance team productivity.
- Integrate real-time location tracking, detailed customer profiles, and performance analytics
- Implemented enhancements to UI, improving overall system functionality & user experience.

#### Technologies Used:

- Platform : Android, iOS
- Framework : React Native
- Languages: Javascript

<https://play.google.com/store/apps/details?id=com.vivyacorp.vivyacrm&hl=en&gl=US>

<https://apps.apple.com/in/app/vivya-crm/id6477445794>

## **Voyance - ECG Monitoring Application**

- Rhythm Strip and Simultaneous 12-Lead ECG
- Remote Monitor is a unique feature found only in Voyance ECG. This allows you to stream your 12-Lead continuous ECG for 10 minutes straight to anyone with an internet connection across the world.
- Implemented the subscription module, doctor and patient module.
- Implemented web socket to get the data from the device in offline mode.

### Technologies Used:

- Backend: Node.js, MongoDB
- Frontend: Android - Kotlin , iOS - Swift
- IoT: Raspberry Pi, Arduino
- Communication Protocols: MQTT, RESTful APIs

### Achievements:

- Developed the ECG graph functionality using JavaScript and addressed latency issues to enhance performance across all mobile platforms.
- Applied for patent rights to enable the RPM feature in application
- Received positive feedback from medical professionals for the system's reliability and ease of use in clinical settings.

- [https://play.google.com/store/apps/details?id=com.vonismart.voyance&hl=en\\_IN&gl=U](https://play.google.com/store/apps/details?id=com.vonismart.voyance&hl=en_IN&gl=U)
- <https://apps.apple.com/in/app/voyance/id6472698821>

## **Voni Smart Home Automation**

- Developed the Voni Smart Home Automation system, a comprehensive home automation solution designed to enhance convenience and efficiency for homeowners.
- With the ability to control lights and appliances from anywhere, these switches offer ultimate convenience and customization.

### Technologies Used:

- Backend: Node.js, MongoDB
- Frontend: Android - Kotlin , iOS - Swift
- IoT: Raspberry Pi, Arduino
- Communication Protocols: MQTT, RESTful APIs

- [https://play.google.com/store/apps/details?id=com.voinismartot.voni&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.voinismartot.voni&hl=en_IN&gl=US)
- <https://apps.apple.com/pl/app/voni-home/id6448254791>

## **Profiles**

LinkedIn : <https://www.linkedin.com/in/kiruthika-kannan-706b3a80/>

Stackoverflow : <https://stackoverflow.com/users/2210356/kiruthika>

## **Few More projects**

1. <https://play.google.com/store/apps/details?id=com.vrdella.vivyacards>
  2. <https://apps.apple.com/us/app/vivya-cards/id1658487857>
  3. <https://play.google.com/store/apps/details?id=com.harmony.harmonydigital>
  4. <https://apps.apple.com/bg/app/harmony-digital-wallet/id1483085835>
  5. <https://play.google.com/store/apps/details?id=com.tml.knowyourcar>
  6. <https://play.google.com/store/apps/details?id=com.vrdella.vrihodhaorganic>
  7. <https://play.google.com/store/apps/details?id=com.vayk.ecswitch>
-