

Vignesh Suresh

Android Native and Cross-platform App Developer

PROFILE

Android developer with 8 years of experience in designing and developing mobile and HMI apps across native and cross-platform environments. Skilled in collaborating with cross-functional teams to deliver user-friendly, client-focused solutions. Experienced in leading teams, mentoring developers, and driving technical decisions.

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ADDRESS

Bangalore, IN

Experience



2021 July - present **Senior Software Engineer**
CLUB CAR



2019 Aug - 2021 July **Software Engineer**
INGERSOLL RAND



2019 Jan - 2019 Aug **Software Engineer**
AXCEND AUTOMATION AND SOLUTION



2017 Mar - 2019 Jan **Android Developer**
KALYX INDIA

SKILLS/TOOLS



Android Studio



Flutter



Xcode



Visual Studio



JAVA



Figma

Medium

BLE ARTICLE:

<https://medium.com/@vigneshandroyd/ble-bluetooth-low-energy-peripheral-and-central-support-for-native-and-cross-platform-mobile-apps-cbc85bbc0be1>

BLE SCANNER APP – FLUTTER:

<https://medium.com/@vigneshandroyd/build-a-ble-scanner-app-in-flutter-android-ios-using-flutter-reactive-ble-0cfe7af34281>

DASHCONNECT – OBD2 BLUETOOTH

<https://medium.com/@vigneshandroyd/dashconnect-the-ultimate-obd-ii-bluetooth-driving-companion-in-your-pocket-bae057982169>



GITHUB PROFILE

[HTTPS://GITHUB.COM/SURESHVICKY](https://github.com/sureshvickey)



FIGMA WORKS

[HTTPS://WWW.FIGMA.COM/FILE/EMZS5JV46ELTGSYHGC2ZUD/MY-WORKS?TYPE=DESIGN&NODE-ID=0%3A1&T=RT0X2XL9D3LLOJ4U-1](https://www.figma.com/file/EMZS5JV46ELTGSYHGC2ZUD/MY-WORKS?TYPE=DESIGN&NODE-ID=0%3A1&T=RT0X2XL9D3LLOJ4U-1)



B1/B2 VISA HOLDER

authorized to visit **USA** for business purpose (B1/B2 VISA)



<https://www.linkedin.com/in/vignesh-s-238554152>



<https://sureshvickey.github.io/>

CAREER SUMMARY

- Having 8 years experience in **Android(Java & Kotlin)** Native and hands-on experience in **Flutter** for cross-platform app development
- Experience working with Bluetooth, BLE, Wi-Fi, Retrofit, RESTful API, JSON, Dagger, Virtual Reality(VR) app development, GOOGLE MAP – Location/GPS/marker, Intent, Broadcast Receiver, Service, Firebase Cloud Messaging, Shared Preference, Room DB, SQLite DB, UI Designing and MVC, MVP, MVVM architectural patterns, payment SDK.
- Experience with **Flutter(Dart)** for Android/iOS/Web/Windows development using flutter packages, plugin, widget and state management(Provider), Map(Marker,dark theme),firebase config(android/web/ios).
- Expertise in **PlayConsole** for APK publishing and issue tracking
- Experience with **NetBeans** to develop Java-based Windows applications
- Experience in using **JIRA** for issue tracking, task creation & release actions
- Proficiency in **SVN** and **GIT** version control implementation
- Experience in using **Figma** for app UI and logo design
- Followed Agile methodology using **Azure** Boards for project management, including task tracking, sprint planning, and team collaboration
- Experience in building **AOSP** and flashing into android device.
I designed and developed an **Instrumentation cluster** for the Clubcar vehicle Android display(**HMI**), communicating through the **CAN** protocol. Collaborating with the hardware team, I integrated software with the physical display, creating a user-friendly interface for drivers to access key information like speed, battery level, and temperature. During a business trip to the **US**, I showcased a POC/demo of the instrumentation cluster to stakeholders, receiving positive feedback and approval for implementation.

PROFESSIONAL PROJECT SUMMARY

CLUB CAR DIAGNOSTICS TOOL CCDT (ANDROID-JAVA)

DESCRIPTION

- A diagnostics tool app for troubleshooting ClubCar golf/utility vehicles through Bluetooth communication.
- This app is designed to offer comprehensive vehicle performance diagnostics, **ECU (VCM/MCU/BMS)** software updates, and graphical data displays, enabling users to identify **faults** and resolve issues efficiently.It also sending diagnostics data to a REST API for remote monitoring and analysis.

PLAYSTORE URL

- <https://play.google.com/store/apps/details?id=com.app.ccdrhv.ccdtdiagapp>

CONSUMER APP (ANDROID CAR DISPLAY)

DESCRIPTION

- Version 3: Designed and developed an instrumentation cluster for the ClubCar vehicle Android display, providing essential information about the vehicle's performance. Implemented **vehicle speed, battery percentage, wiper and washer button functions, music, Wi-Fi, Bluetooth control, turn signals, and indicators** using **CAN** communication.
- Version 4 (Trident): Proposed a new UI design for the upcoming Android display called Trident, which enhances the user experience and provides better accessibility to features.

URL FOR REFERENCE (VERSION 3)

- https://www.youtube.com/watch?v=CtKNqk_7Z9s
- <https://www.clubcar.com/en-us/personal/golf-new/club-car-connect>

CFM - FLEET TRACKER MANAGEMNT (ANDROID-KOTLIN)

DESCRIPTION

- Diagnostics tool app for troubleshooting **fleet tracker** management in vehicles using Bluetooth communication.
- This app is designed to provide a comprehensive diagnosis of the fleet's performance, including tracking information such as **GPS, cellular, and Wi-Fi status**, as well as managing software updates and sending diagnostic data to the server.

URL FOR APP UI PRESENTATION

- <https://play.google.com/store/apps/details?id=com.cc.ccdiagnostictool>

KEY FOB (FLUTTER - ANDROID & IOS & WEAR OS)

DESCRIPTION

- This Flutter application leverages Bluetooth Low Energy (BLE) technology to enable keyless vehicle entry and ignition. It also features **Max Speed Control** and **Parental controls**, allowing parents to monitor the location of both their own and their Guest/child's vehicles through BLE communication
- The application is designed to work on both **Android , iOS & Wear Os** platforms,
- providing real-time location updates . Released for testing. Production release in pipeline

Ref URL : https://github.com/sureshvickey/Keyfob_Ref

ENTERPRISE APPLICATIONS

CCDT DATA TOOL (JAVA WINDOWS)

- Java windows application to read internal diagnostics data from vehicle and convert software image file using data encryption logic.

CCDT DASHBOARD (FLUTTER WEB)

- developed a web application called CCDT Dashboard using Flutter(**DEMO App**).
- displays statistical data, software file info, Crash info, log info and location information of the user.

TEST WEB URL: <HTTPS://FLUTTER-WEB-FBFE0.WEB.APP/#/>

USERNAME : vigneshandroyd@gmail.com **PASSWORD :** guest123

VCM CAN SIMULATOR (FLUTTER WINDOWS)

- The VCM CAN simulator is a Windows tool developed using Flutter that allows the reading and writing of simulator CAN data.

OTHER ANDROID PROJECTS

- AKVAZEN VR(Android):** Developed a VR application called Akvazen VR, designed to scan QR codes through smart glasses and provide interactive information about industrial machines – including usage instructions, safety guidelines, and warnings for users, technicians, and employees.
Technologies used: AWS, Java, SQLite
Ref URL : <https://www.akvazen.com>
- Farm Fresh Hand Picked (Android):** An app for purchasing vegetables and fruit items on the go : <https://farmfreshhandpicked.com/>
- BookYourCan (Android):** An app designed for booking and delivering drinking water

PERSONAL MOBILE APP PROJECTS

- DashConnect (Android) :** OBD-II Bluetooth Driving Companion App.real-time vehicle diagnostics(Speed and RPM), music control, GPS navigation, and customizable settings.
Medium URL : <https://medium.com/@vigneshandroyd/dashconnect-the-ultimate-obd-ii-bluetooth-driving-companion-in-your-pocket-bae057982169>
- BLE Scanner (Flutter):** BLE (Bluetooth Low Energy) scanner app in Flutter that allows scanning nearby BLE devices, connecting to them, and reading/writing characteristics.
Medium URL : <https://medium.com/@vigneshandroyd/build-a-ble-scanner-app-in-flutter-android-ios-using-flutter-reactive-ble-0cfe7af34281>