

# Vinit Kumar

DOB: 28 Feb 1988 | Bengaluru, Karnataka, INDIA

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## Summary:

A results-driven, customer-focused, articulate Senior Engineer who can think “out of the box”. Strong in design and integration of problem-solving skills. Having **12+ years of overall experience** in Android, Java, Kotlin, Flutter, Data Structure, Database, and leading Android team with 6 to 8 Mobile App Developers.

## Experienced In:

Language/Framework/SDK	Experience(Approx)	Last Used
Android Application Development using Android SDK with NDK	10+ year	Current
Kotlin, Coroutines, Kotlin Flow	5 years	Current
Jetpack compose, Material3	2 year	Current
Flutter, Dart	2 year	Current
iOS, Swift 5, Swift Package Manager, Cocoapods	1 year	Current
Xamarin Forms using C#, Visual Studio, React Native	6 months	Dec 2019
Video Calling library WebRTC, <a href="#">Frozenmountain</a>	1.5 year	Aug 2020
CI CD, Jenkins, Espresso, JUnit, Mockito, LeakCanary, Jacoco, sonarqube, Coverity, Penetration Testing, Play & App store build release.	6 year	Current
Firebase(Crashlytics, Analytics, Authentication, Storage, Messaging, Firestore)	7 year	Current
SQLite, ROOM, JSON, XML	6 year	Current
Retrofit, Volley, Dagger, MVVM, RxJava & RxAndroid	7 year	Current
Android app for voice-based <a href="#">Realwear</a> (hmt-1, 1Z1) hand's free device	2 year	Aug 2020
<a href="#">Google Exoplayer</a> (Android video streaming library), Amazon LEX	1.5 year	June 2019
Mobile app wireframe designing	1 year	April 2019
Google Map, Place API, GPS, aGPS, Fused location	3 year	2018
Javascript, JQuery, Kendo UI, SIP, AChartEngine	1 year	2015
Servlet, Struts 1.0, J2EE, Tomcat, MySQL, Oracle database	3 year	2015

## Employment:

### Development Engineer

[Signify Innovation India Limited](#), Bangalore

Formerly known as “Philips Lighting India Limited”

Sep 2020 - Present

Software Engineer II, [Honeywell Technology Solutions Lab Pvt Ltd](#), Bangalore

Aug 2016 - Sep 2020

Senior Engineer, [Tata Elxsi Pvt Ltd](#), Bangalore

Feb 2015 - July 2016

Senior Development Engineer, [Pixel Softek Pvt Ltd](#), Bangalore

Nov 2011 - Jan 2015

## Award & Achievement:

Project Excellence Awards, Tata Elxsi

June 2015

Bronze Award, Honeywell, 2nd Position - Hackathon conducted by Honeywell

Nov 2017, Jan 2018

Scaled Agile, Certified SAFe 5 Practitioner

February 2023

HTS PMT HOS India Annual Award for 2017

February 2018

Bronze Award, Honeywell

Feb 2019 & July 2019

Certificate of Appreciation, Signify

Feb 2021, Jan 2023

## Internship & Training:

Tavant Technology, Bangalore

June 2009 - July 2009

Corporate Java Training Form Java Learning Centre, Bangalore

May 2010 - Oct 2010

Udemy Android Unit Testing and Test Driven Dev. | [Udemy Certificate Link](#)

November 2020

## Education:

Master of Technology(M-Tech) in Computer Science And Engineering(Year 2021 to 2023).

## Project in Company:

### **Project 1: Interact Indoor Navigation Development Engineer**

**Signify(Philips Lighting)  
November 2020 to till now.**

It uses Visible Light Communication (VLC) and Bluetooth-Low-Energy (BLE) to locate the mobile devices inside the building with less than 30cm of accuracy.

**Link:** [Interact Indoor Navigation](#) | **Play Store:** [Interact YellowDot](#) | **Youtube Link:** <https://youtu.be/JyuSeg4HIUk>  
<https://youtu.be/ihc49cLm-TM>

- Native Android with Kotlin, Jenkins, Coverity, White Source
- My contribution: 40% in Coding, 50% in Architect, 10% in CI-CD Jenkins, App & Play store release, and Security.

### **Project 2: Interact Retail Install Development Engineer**

**Signify(Philips Lighting)  
October 2020 to till now.**

Interact Retail Install app connects “customer sites” to the Interact Retail IoT platform.

**Link:** [Interact Retail Install](#) | **Play Store:** [Interact Retail Install](#) | **App Store:** [Interact Retail Install](#)

- Flutter, Dart, Jenkins, SonarCube,
- My contribution: 20% in Coding, 40% in Architect, 10% in CI-CD Jenkins, App & Play store release, and Security. I also introduced Docker on Jenkins which saves approx 30% of developer time and approximately 40% of the cost of CI-CD setup.

### **Project 3: Worker Assist Senior Engineer**

**Honeywell  
May 2019 - Sep 2020**

This app is for industrial people which helps to stabilize video/audio communication between fieldworkers and experts. The app runs on Realwear headset HMT-1, Android Phone/Tab, and iPhone.

**Link:** [Honeywell Forge Workforce Productivity - Worker Assist](#) | **Play Store:** [Honeywell Forge Worker Assist](#)

**Youtube Link:** <https://youtu.be/rtwYSjviYck> | <https://share.vidyard.com/watch/AC85zXuBBNVk9h6Mw8BRAd?>

- Native Android, Java WebRTC(Frozen mountain liveswitch) for video call, Retrofit, Dagger, Crashlytics, Gradle's product flavors
- Appium, jMeter, Coverity tool, Azure, JavaScript(by testing, release, backend, and web UI team)
- My contribution: 70% in development, 10% in Innovations, and 20% in UI UX, API, and Security.

### **Project 4: Video Assist(App on Realwear headset HMT-1) Senior Engineer**

**Honeywell  
January 2017 - April 2019**

Video Assist app is for industrial people which helps to diagnose the devices by watching related videos.

The Android app was compatible with Android devices and Realware wearable devices.

**Youtube Link:** <https://youtu.be/szBmN739P8k>

- Used Android API 27 with Java, and Google Exo-player to play HLS video (stream and local video)
- Retrofit, Dagger, Amazon LEX, Crashlytics, used Gradle's product flavours
- Appium, jMeter, SonarQube, Azure media services, Angular4(by testing, backend, & web UI team)
- My contribution: 80% in development, 20% in UI UX, API, and Security, and 10% in Azure.
- Introduced the Exo-player in the app which increased the app performance by 20 to 30 percent which offered seamless media streaming and a customer-positive rating increased by 20%.

**Project 5: LivingTree**  
**Senior Engineer**

**Tata Elxsi Pvt. Ltd.**  
**March 2015 - June 2016**

This will allow us to take a leap forward in community building by providing us with our own private social network for collaboration and engagement across our district, school, and classroom communities.

**Website:** [LivingTree](#) | **Play Store:** [Livingtree Engage](#) | **Youtube:** [Livingtree](#)

- Used Native Android with Java, Android Studio, GCM, Volley, Crashlytics, Bitbucket, and GitHub
- App authentication through Google and Facebook, PHP, MySQL, and AWS(by the backend team)
- My contribution: 100% contribution on Android app development.

**Project 6: Call Statistics for SIP call**  
**Senior Engineer**

**Tata Elxsi Pvt. Ltd.**  
**February 2015 - March 2015**

Show call statistics and the amount of data transferred when a call is made or received by the user.

- Developed Complete Android Application.
- Used AchartEngine to show call statistics and Android SIP call API.

**Project 7: PWD Progress Monitoring System(CPWD, Karnataka)**  
**Senior Development Engineer**

**Pixel Softek Pvt. Ltd.**  
**April 2014 - December 2014**

Allows the contractor to upload captured photos of the worksite, GPS Location, and some other fields.

**Website:** 1. <http://103.241.144.46:81/> 2. <http://49.206.241.178:8082/>

- Developed Complete Android Application using Eclipse, GCM, JSON, SQLite, SVN, Location Manager
- Struts 2, Tomcat 7, Oracle, MyEclipse(used by the backend team)

**Project 8: BBMP Pothole Monitoring System**  
**Development Engineer**

**Pixel Softek Pvt. Ltd.**  
**January 2013 - November 2013**

The Android application helps to capture pothole photos and other information and sends it to the BBMP server. Users can see the status of reported potholes on Google map.

- Complete Android app using Eclipse, SQLite, Google Map V2, Google Place, GCM, JSON, Canvas
- Developed a server-side application using J2EE, Struts, Postgre Database, Hibernate, and Tomcat.

**Project 9: KRWSSA(Online Monitoring System)**  
**Development Engineer**

**Pixel Softek Pvt. Ltd.**  
**March 2012 - October 2012**

Android app which helps to generate/keep a record of improved quality of rural water supply and sanitation service delivery for Karnataka Rural Water Supply and Sanitation Agency (KRWSSA).

- 80% contribution on Android app using Eclipse, SQLite, JSON.
- 20% contribution to developing a server-side application using J2EE, JDBC, Postgre Database, and Tomcat.

**Project 10: m-POS(Envids, Bangalore, Karnataka, India)**

**Freelancing**  
**October 2012 - May 2013**

Android application that reads the barcode of the product. The salesperson uses this application to sell the product after reading the barcode of the product that customers want to buy. She/he suggests the customer buy a product depending on the selection of one product. This app also generates a final bill with a barcode for each product on the bill & the bill gets printed by a printer which is connected by this application through Bluetooth.

- Complete the Android app using Eclipse, SQLite, and JSON.
- Developed a server-side application using J2EE, JDBC, Postgre Database, and Tomcat.