KAPILESH IYER

Software Engineer

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EXPERIENCE

Android Developer

Witworks Consumer Technologies Pvt. Ltd.

📅 August 2016 – Ongoing   📍 Bangalore, India

- Worked with a small self organizing team to build and maintain a UI/UX library for an Android based circular smartwatch and practiced AGILE product development methodologies such as SCRUM
- Developed system apps like Navigation, Caller, Music Player, Calendar, Uber, Voice Command and was involved in their periodic releases
- Worked on Bluetooth Classic, BLE, HSP, HFP, A2DP, AVRCP

PROJECTS

Timeline   📅 May 2017

A calendar app for Blink Smartwatch with Google Calendar support

- Support for showing all sorts of recurring events in the absence of Google Play Services in the smartwatch
- Implementation of DB syncing between the phone and the watch

🔗 Timeline

Navigation   📅 Nov 2016

A navigation app for Blink Smartwatch which provides turn by turn directions

- Calculating distance to next leg, estimated time of arrival, the logic for rerouting and the detection of arrival at destination written in the absence of Google Play Services in the smartwatch
- BLE was used to constantly obtain location information from the phone as the watch did not have a GPS tracker

🔗 Navigation

Blink UI   📅 Aug 2016

A UI/UX library containing plug and play UI components for Blink Smartwatch

- Built custom UI components for a circular smartwatch using canvas, bezier curves, path interpolators, gradients and other Android APIs
- Control over Touch Event Propagation

🔗 Blink UI

Music Player   📅 Sep 2016

A fully functional music player app for Blink Smartwatch

- Plays music which are already present in the watch
- Controls the music playing on the phone if it is paired through bluetooth AVRCP profile

🔗 Music Player

Coding Enthusiast with experience in Android Development having strong Data Structures and Algorithms

TECHNICAL SKILLS

Android | Data Structures | Algorithms
Git

Dagger2 | RxJava | Retrofit | OkHttp
Picasso | Mockito | Espresso | JUnit

Java | C++ | Python

SIDE PROJECTS

Voice Assisted Weather App

A simple weather application which takes voice command as input and tells weather

🔗 Voice Assisted Weather App

Circular Layout Manager

An Android Library for a Circular List

🔗 Circular Layout Manager

Tic Tac Toe

An unbeatable Tic Tac Toe application using Min-Max algorithm

🔗 Tic Tac Toe

Word Cloud Library

An Android Library for a Word Cloud View

🔗 Word Cloud

EDUCATION

Bachelor of Technology (B.Tech.)

Delhi Technological University

📅 August 2012 – May 2016

Mechanical and Automotive Engineering