# Arjun B

Aiswarya
Karukachal P.O., Kottayam, Kerala 686540
India
℘ +91 9656915995
✉ arjunnandu.ab@gmail.com
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## Experience

**11/2018– Present** — **Software Development Engineer**, *Medlife International*, Bangalore, India.
Works on the development and maintenance of Android codebases. Have worked with multiple hybrid app platforms (Cordova, React, React-Native). Migrated a stand-alone android application to an android library to be used as a feature in an existing cordova based hybrid application. Involved understanding and creating cordova plugins for communication between native and javascript modules. Migrated the existing android application as a library to be integrated with a native android application with react-native components while ensuring the package signatures and other functionality of the existing application was not affected. This involved restructuring of the modules and their dependencies as well as refining and fixing the build tasks. Worked on migrating modules to be complaint with API 26 and up. Involved restructuring of modules that always ran in the background like socket listeners for chat. Worked on setting up continous integration for the Android codebase. Wrote scripts for one step build and one step set-up and deployment for a codebase that depends on multiple other build artifacts.

**05/2017– Present** — **Software Development Engineer**, *Floh*, Bangalore, India.
Works on the design, development and maintenance of Android codebase. Migrated legacy codebase to be more stable, readable and reusable with introduction of MVP, DataBinding and Repository Pattern. Worked on setting up codebase for tests and configured continuous integration. Improved messaging perfomance and stability by seperating reponsibilities of messaging classes. Responsible for migrating codebase to work seamlessly on Android Oreo. Used Realm for offline capabilities. Also contributed to the Ruby On Rails codebase.

**11/2015– 04/2017** — **Software Development Engineer**, *Eclinic247*, Bangalore, India.
Being an early member of Eclinic247, worked on the design, development and maintenance of multiple Android applications from scratch which are well-architectured, stable, reusable, scalable and maintainable. Successfully migrated Android application to have dynamic permissions for Marshmallow. Contributed to building and integrating a messaging service using Vert.x and RabbitMQ.

**06/2015– 10/2015** — **Associate Software Developer**, *Incture Technologies*, Bangalore, India.
Prototyping and implementing mobile solutions for Enterprise Resource Planning.

## Technical Experience

### Proficient With

languages
: Kotlin, Java

technologies
: Android Development Tools, Realm, RxJava, Git

### Familiar With

languages
: Ruby, Javascript, HTML, CSS

technologies
: React, React-native, Cordova, Redux, Dagger, Room, PostgreSQL, SQLite

## Education

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|---|---|
| 2011–2015 | **B.Tech, Computer Science and Engineering**, *Amrita Vishwa Vidyapeetham*, Amritapuri, 7.87/10.00. |
| 2011 | **AISSCE**, *Good Shepherd Public School*, Thengana, Kerala. |
| percentage: | 82.40% |
| 2009 | **AISSE**, *Good Shepherd Public School*, Thengana, Kerala. |
| percentage: | 93.80% |

## Bachelor thesis

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| title | *Concept and Prototypical Implementation of a Smartphone Application for Performing Reverse Card Sorting Experiments* |
| supervisors | Prof. Dr. Gerd Szwillus, University of Paderborn |
| description | Recapo is a usability testing tool that uses Reverse Card Sorting technique to assess the ease of navigation across the information architecture. The purpose of the project was to implement an Android Application that couples with Recapo. The test involves experiments based on tasks. The Android application acted as the interface for participants of the experiments to receive the task, perform the experiments and send the collected information to the server. |