

Vasanth Kumar K

Software Engineer - Mobile

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Summary

Mobile app developer with over 4.8 years of experience in Xamarin Native, iOS, and Android app development. Skilled in push notifications, Bluetooth Low Energy (BLE), Agora RTM, and app store/play store submission processes. Currently expanding expertise by learning Flutter. Experienced across all stages of the Software Development Life Cycle (SDLC), from requirements analysis to deployment and documentation. Proven ability to develop apps from scratch through to production release.

Core Competency

Frameworks	iOS (UIKit, SwiftUI), Android, Xamarin.Native (iOS & Android), Flutter
Programming Languages	C#, Dart, Kotlin, Swift, Objective C
Architectures & Methodologies	MVVM, MVC, Dependency Injection, TDD, AGILE
Databases	Realm, SQL, CoreData, Room
Technologies	Firebase, Google Maps, MapKit, Bluetooth Low Energy (BLE), Agora RTM, WebSocket, XMPP, WebRTC
Development Tools	Visual Studio, Xcode, Android Studio

Education

BCA, New prince shri bhavani arts and science college, chennai

June 2016 - April 2019

Languages

- English
 - Tamil
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Professional Experience

Software Engineer - Mobile at Flyersoft pvt ltd, chennai

February 2022 - Present

Project

C3PAY (Xamarin.iOS & Xamarin.Android) is a mobile app for managing financial transactions, primarily designed for users with a C3Pay card. It allows users to view balances, send money, recharge mobile numbers, and receive SMS alerts.

Roles & Responsibilities

- Contributed to multiple modules, including C3Pay+, Mobile Recharge, and Money Transfer, Security SMS.
 - Conducted user experiments and analyzed the impact of new features to enhance user experience.
 - Participated in design reviews, UX discussions, and product ideation sessions.
 - Developed dynamic UI screens for the Money Transfer flow (Bank Transfer and Wallet) based on API responses.
 - Worked in an Agile development environment, collaborating with cross-functional teams.
 - Started contributing to the Flutter migration, focusing on developing and optimizing UI components
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XR COMPANION (Android - kotlin) helps to connect with a moziwear device. This device helps workers wear a glass and operate everything in voice over. This project is still under development.

Roles & Responsibilities

- Designed and developed agora RTM, white board with Back-end API integration and RESTFUL services.
 - I worked with MVVM.
 - Used Hilt Dependency injection.
 - Used Room for database.
 - Drawing Annotations
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USEEBP (Android - kotlin) is a healthcare application which helps you to check BP, connect to nearby BLE devices and communicate with doctors via emails. It has a built-in chatbot functionality and helps to keep track of patient BP data and challenges.

Roles & Responsibilities

- Designed and developed chatbot features using Back-end API integration and RESTFUL services.
 - I worked with BLE.
 - Used Unity for Dependency Injection.
 - I worked with MVVM.
 - Bug fixing
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DEVERON (iPadOS - Swift UI) is a collection of soil and analysis app which help to support you with local experts to get the most out of your soil. Our single chain of custody – from field to lab – will ensure a streamlined process resulting in operational effectiveness and more efficient farm outcomes.

Roles & Responsibilities

- Designed and developed apps with Map Kit and Google Maps.
 - I worked with SQLite.
 - Developed library for managing Grid Layout for maps.
 - Collaborated with the team and supported written standard code.
 - Developed a custom UI component.
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Application Developer at Contus Support Interactive, chennai

April 2021 - September 2021

Project

WONET (iOS, Swift) is a leading mobile App with a friendly experience for chat, voice, and video communication in a highly secure way. It uses highly secured protocols to ensure highly secured and private communication among its users.

Roles & Responsibilities

- Designed and developed with two phases of tasks and successfully submitted to the App store.
- Integrated with signal protocol to send a secured encrypted and decrypted message.
- Worked on XMPP and WebRTC
- Revamped the major feature code.

- Developed UI components.
 - Bug fixing
 - Worked with push notification
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iOS Developer at W2S Solutions, chennai

February 2020 - March 2021

Project

MANAGETEAMZ DELIVERY ManageTeamz Delivery (iOS - Objective C) is a delivery management application where the delivery agent views the assigned tasks to deliver products to the customer at their location. It uses an optimized route for navigation to the customer location and gets acknowledgment for the delivered product from the customer. It has a web dashboard which enables the business owner to manage his delivery agents and keep track of their location.

Roles & Responsibilities

- Designed and developed one to one chat features using WebSocket with Back-end API integration and RESTFUL services.
 - Support to develop core features with Google Map API and Google Place API
 - Integrated Phone number authentication with firebase
 - Implemented with MVVM design architecture.
 - Bug fixing
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