# Sai M V

## Senior Software Engineer for Mobile Application Development

## Summary

Looking for a long-term career in a challenging environment, where my experience can be effectively utilized and to utilize my technical and functional knowledge in fulfilling my career and organization objectives as well as to synergize my efforts with the organization's vision and mission in achieving my goal and to work in an innovative and competitive world.

## My Career

**2012/10 - present**

### Senior Software Engineer

**Wipro Technologies PvtLTD**

Experience in web applications and cross platform application development using HTML 5, Javascript, CSS, Ionic 2, Angular JS and Angular 2 frameworks.

•Experience in Software components design Creating HLD and LLD using EA (Enterprise Architect) tool.

•Expertise in using SCM tools and worked on SVN.

•Expertise in Developing and Debugging of Application in ADT like Intellij, Android Studio and Eclipse.

•Experience in Design and Development on the Diabetes featuring android application project running on customized OS and Hardware with Core Java.

•iOS Application development using Objective C and Xamarin C#

•Worked on developing cross platform applications for surgical medical devices in iOS and Windows using Xamarin and Xcode IDEs

•Agile software development experience using SCRUM.

•Design and setup of build automation, NUnit, JUnit testing environments and data storage for mobile and mobile web apps.

## Education

**2017/06**

### M.Tech Computer Application( Bits Pilani)

• Computer Application
• **Percentage :** 56%

**2009/08 - 2012/05**

### College Of Applied Science, Vazhakkad ( Calicut University)

• BSc. Computer Science
• First class with 67%

**2006/06 - 2008/04**

### IHRD Higher Secondary School Vazhakkad

• Computer Science
• **Percentage :** 70%

**2006/04**

### Sevamandiram Post Basic School Ramanattukara

• **Percentage :** 70%

## Personal Info

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**Date of birth**

1990/10/13

## Skills

Angular JS, Javascript, Ionic2

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HTML5 CSS

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Android Development , Core Java

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iOS Mobile App Development Using Xcode in Objective-C and Xamarin in C#

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Web App development Using VisualStudio in .Net

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## Technologies

Static analysis tools like find bugs, check style, PMD

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JUnit And NUnit

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## ⭐ Key Projects

**2017/04 - present**

### Mawani- Ionic2 Native Mobile App

**Role: Senior Software Engineer**

Mawani is a mobile Service Lane Technology application used for online booking and tracking of shipment details in ports in Dubai. This application provides facilities for Vessel registration, Vessel load/ Discharge summary's, Export status Etc.

Mawani is a hybrid application developed using Ionic framework for both iOS and android devices.

**Responsibility :** Developer
**Client-Side Platform :** Android devices, iPhone and iPad devices
**Languages Used :**  HTML, SCSS, Angular 2, jQuery Development
**IDEs :** WebStorm, Android Studio, Xcode, Cordova, Ionic2

**• iOS And Android Application Programming**

o Developing application in Android and iOS mobile devices.
o Creation of UI Using HTML, Typescript, SCSS, jQuery Implementation of webservice calls.
o Integrating Plugins for File upload, Pdf creator, and Camera.

**2016/10 - 2017/04**

### Elsa2Go - Ionic Native Mobile App

**Role: Senior Software Engineer**

Elsa2Go is a mobile Service Lane Technology application and is to make the vehicle repair process easier, enhance technician and service advisor toolset and increase process efficiencies. This application is used for online customer service details tracking of vehicles like Volkswagen, And Audi using vehicle identification numbers in Barcode format or as Vin images. Elsa2Go is a hybrid application developed using Ionic framework.

**Responsibility :** Developer
**Client-Side Platform :** Android devices, iPhone and iPad devices
**Languages Used :** Ionic1 HTML, CSS, Angular JS, Javascript, jQuery Development
**IDEs :** WebStorm, Android Studio, Xcode, Cordova

**• iOS And Android Application Programming**

o Developing application in Android and iOS mobile devices
o Creation of UI Using HTML, AngularJS, CSS, jQuery Implementation of webservice calls
o Integrating Plugins for File upload, Pdf creator, Camera, Barcode Scanner, Barcode generator
o Print and Email PDF services

**2015/03 - 2016/10**

### AERO - Android App on a Customised android device

**Role: Senior Software Engineer**

A Class C medical device used in the Diabetes domain, featuring an Android application running on customized OS and hardware. Multicomponent application consisting of 70+ components. This project is for monitoring the blood glucose level on human body continuously using a CGM device and blood glucose test using BG strip.

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Bugzilla
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Enterprise Architecture
● ● ● ● ○

## 🚩 Languages

English
● ● ● ● ○

Malayalam (Mother Tounge)
● ● ● ● ●

Tamil
● ● ● ○ ○

Hindi
● ● ● ● ○

**Responsibility :** Developer
**Client-Side Platform :** Android
**Languages Used :** Core Java
**IDEs :** IntelliJ IDE, Android Studio, Eclipse.
**Database :** SqlLite

**• Android Application Programming o Unit testing and integration testing**

o Implementation of custom hardware component
o Implementing data storage management and system configuration data settings.
o Implementation of BOLUS and BASAL related component o Creation of UI and implementation of corresponding activities
o Have used Static analysis tools like find bugs, check style, PMD
o Have Used Structural Analysis tools like Understand and Coverity

**• Software Components Design**

o Components design and sequence design using Enterprise Architect
o Creation and validation of design artefacts like HLD, LLD, Traceability matrix
o Design of data store component o Design of Hardware Component, settings data store component
o Design of BOLUS and BASAL related component
o Design of time management module

## VLEX App - Xamarin C# iOS Application

**Role: Senior Software Engineer**
This project is based on a health care service account dealing with class C medical devices for surgical and monitoring operations in medical field. The DMC Client cross platform application is developed for windows and iOS platform, which act as a remote server agent performs operations on medical device like software upgrade, service activation using activation keys, server communication to download suitable software package and showing notification new software package available, User Session management, Medical Device Communication using Wi-Fi, Ethernet cable Red park Ethernet cables. Application manages the main operations like user session, device communication session, server communication session and device configuration management in a single application for the 4 types of medical devices used for surgical and monitoring operations.

**Responsibility :** Developer
**Client-Side Platform :** iPhone and iPad devices, Windows System
**Languages Used :** C#, Objective C, HTML, CSS, JavaScript, jQuery
**Development IDEs :** Xamarin, Xcode, Visual Studio

**• iOS appliction programming**

o Developing application in Windows and iOS mobile devices
o Creation of UI Using HTML, JavaScript, CSS, and Web View Controller
o Unit testing and integration testing using NUnit.
o Creation of Red Park Library using Xamarin Binding project
o Implementation of Application and Medical Device Configuration

2013/04 - 2015/03

o Implementation of Device Communication Protocols and Server Communication Protocols
o Implementation of Network related components for Ethernet, Wi-Fi

2012/10 - 2013/03

## OxyPleth -  iOS  App

**Role: Senior Software Engineer**

This project is based on a health care service account dealing with class C medical devices for oxygen therapy operations medical field. The application OxyPleth is operating on iOS mobile platform which is a Pulse Oxygen Saturation Meter helps to continuous monitoring of the pulse rate (PR) and oxygen saturation of a patient's blood (SPO2). The medical sensor device connected via Wi- Fi to the application will sense the pulse rate and oxygen saturation in the blood and send this information to the application which will be displayed in the graph, and application will evaluate abnormal variation in oxygen saturation level. Main features of the application are managing patient's biometric information's, Show PR and SPO2 levels in graph, generate warnings, and manage application settings.

**Responsibility :** Developer
**Client-Side Platform :** iPhone and iPad devices
**Languages Used :** Objective C Development IDEs Xcode

 **• iOS Application Programming**

o Creation of UI
o Implementation of device discovery in Wi-Fi network.
o Implementation of Device Communication Protocols Responsibility Developer Client-Side Platform iPhone and iPad devices Languages Used Objective C Development IDEs Xcode

## References

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