

# POOVARASAN VASUDEVAN

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I'm a software professional, specialized in design and building application in All Programming platform. I has been working in software industry for the past 4 years. I have good experience in building large scale application using various Java framework & technologies. I have good expertise in building multi-threaded data driven application, mobile, web application & desktop applications. I have solid fundamentals of programming concepts, algorithms, design patterns & Object Oriented Analysis and Design. I have strong belief in lifelong learning. I have a great passion in learning new technologies.

## EXPERIENCE

**JUL 2018 – CURRENT**

**SENIOR SOFTWARE DEVELOPER**, HTC GLOBAL SERVICES

Develop software solutions by studying information needs; conferring with users; studying systems flow, data usage and work processes; investigating problem areas; following the software development lifecycle

**JUL 2016 – JUL 2018**

**SOFTWARE DEVELOPMENT ENGINEER**, HTC GLOBAL SERVICES

Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions

**FEB 2015 – JUL 2016**

**PROGRAMMER ANALYST TRAINEE**, HTC GLOBAL SERVICES

Develop Software from end to end, by understanding difficulty, risk, analyzing list of solution and identifying Solution that meets the requirement

## EDUCATION

**JUN 2010 – MAY 2014**

**B.TECH (INFORMATION TECHNOLOGY)**, ARULMIGU MEENAKSHI AMMAN COLLEGE OF ENGG

Completed my Bachelor degree in the field of Information technology with the overall 73%

**JUN 2009 – MAY 2010**

**HSC**, THIRUVALLUVAR HIGHER SECONDARY SCHOOL

**JUN 2007 – MAY 2008**

**SSLC**, THIRUVALLUVAR HIGHER SECONDARY SCHOOL

## PROJECTS

**JAN 2020 – CURRENT**

### **ST TAMMANY HEALTH CHATBOT, ST TAMMANY HEALTH SYSTEM**

Developed a ChatBot for Users/Patient for identify their symptoms and provide appropriate suggestions of Doctors, and also helps user to find any Classes or Events that conducted for Users and Registration

<b>Backend Technologies</b>	Python, Tensorflow, Pytorch, Onyx
<b>Frontend Technologies</b>	React, HTML, CSS

**JAN 2020 – CURRENT**

### **ST TAMMANY HEALTH ANDROID APPLICATION, ST TAMMANY HEALTH SYSTEM**

Developed an Android application to search doctors and nearby hospitals to book appointment, We used Tensorflow Lite to detect patient/user problem and symptoms identification with on device machine learning to suggest appropriate doctors for the users

<b>Backend Technologies</b>	SQLite, Kotlin, Tensorflow Lite, ARCore
<b>Frontend Technologies</b>	Android Compose / XML Layout

**JAN 2020 – CURRENT**

### **ST TAMMANY HEALTH IOS APPLICATION, ST TAMMANY HEALTH SYSTEM**

Developed an IOS application to search doctors and nearby hospitals to book appointment, We used CORE ML to detect patient/user problem and symptoms identification with on device machine learning to suggest appropriate doctors for the users

<b>Backend Technologies</b>	SQLite, Swift 5, CoreML, ARKit
<b>Frontend Technologies</b>	SwiftUI/Storyboard

**AUG 2019 – CURRENT**

### **CARETECH LIVE HELP DESK, CARETECH SOLUTIONS**

Developed a communication tool that meets client through web, they connect with audio, video, screen sharing and screen control, we uses Rust as backend and some WEBRTC SIP technologies

<b>Backend Technologies</b>	Rust, SIP, Asterisk and PBX
<b>Frontend Technologies</b>	React, WEBRTC, Sockets

**JUNE 2018 – CURRENT**

### **CAREBOT, CARETECH SOLUTIONS**

Building a machine Learning bot to ask end user questions and gives the perfect replies, based on machine learning, we use TensorFlow Seq2Seq to build an RNN Network with Keras.

<b>Backend Technologies</b>	Python, TensorFlow, and Keras
<b>Frontend Technologies</b>	HTML, CSS, JavaScript

**MAY 2018 – JAN 2019**

### **KNOWLEDGE BASE ARTICLE SEARCH, CARETECH SOLUTIONS**

Building a Machine Learning Search Based on TensorFlow and Keras with LSTM Sequential Linear Network that remembers past search results and calculates the weightage, and retrains the model to provide accurate search result

<b>Backend Technologies</b>	Python, TensorFlow, and Keras
<b>Frontend Technologies</b>	HTML, CSS, JavaScript

**APR 2018 – CURRENT**

### **SERVICE FOCUS, CARETECH SOLUTIONS**

Service focus is an entry point for all other Application Such as Form builder, CTSSP, Chatbot, OTRS and Other Application, That Provide and take cares of Authentication of Other Application, It acts as an Entry point of Other Application Managing Local, Remedy, LDAP and OTRS

<b>Backend Technologies</b>	Java, Spring boot, C#.net
<b>Frontend Technologies</b>	HTML, CSS, JavaScript

**APR 2018 – FEB 2019**

### **SELF SERVICE REQUEST STATUS, CARETECH SOLUTIONS**

Self Service Request Status is a web application, that allows client to check the Realtime status of the tickets, and make assignment of the tickets, reassign and send email task

<b>Backend Technologies</b>	Java, Spring boot, C#.net
<b>Frontend Technologies</b>	HTML, CSS, JavaScript

**APR 2018 – MAR 2019**

### **SELF SERVICE MOBILE, CARETECH SOLUTIONS**

Self Service Mobile User can create, update , reassign the ticket through their mobile and handheld devices, Service focus Mobile is a PWA(Progressive Web Application) that works offline,

<b>Backend Technologies</b>	Java, Spring boot, C#.net
<b>Frontend Technologies</b>	HTML, CSS, JavaScript

**NOV 2017 – MAR 2017**

### **MATCHRX, MATCHRX**

MatchRX is a Drug seller in US, we built an inventory system for managing their drugs, where pharmacies can register their pharmacy, load their stocks and make business easier

- Separate Dashboard for Buyers and sellers
- Sellers upload their drugs and their expiry dates through their seller portal

<b>Backend Technologies</b>	PHP, Laravel , Lumen
<b>Frontend Technologies</b>	HTML, CSS, Angular

**OCT 2017 – CURRENT**

### **SERVICE FOCUS INTERFACE, CARETECH SOLUTIONS**

Caretech Self Service Portal interface, It acts as an interface between Remedy, LDAP, OTRS to communicate data transfer between CTSSPI and ticketing system, I worked on two distinct subjects on the Kinetic Task Engine.

- In Workflow We connected Remedy with our Backend Code
- We provided Dynamic Endpoint Creation for Accessing Remedy Forms
- Implemented OAuth 2.0 Specs with Remedy Login Credentials
- Connected LDAP and performing LDAP Queries
- Connected with Different Database to perform Queries

<b>Backend Technologies</b>	Java, Spring boot, Remedy, SQL Server
<b>Frontend Technologies</b>	HTML, CSS, JavaScript

**MAR 2017 – OCT 2017**

### **SAHAJVANI(ADS), SAHAJ MARG (HEARTFULNESS)**

**ADS App** - This app is a personal library linked to Abhyasi Digital Store(ADS). Users can download all items purchased previously in ADS into their local devices and can download free content available in ADS into their devices. Those purchases are available for download any number of times. User can log in using MYSRCM credentials and can link up to five devices with a single MYSRCM account. This means, content purchased through a single MYSRCM id can be downloaded and played in five different devices

<b>Backend Technologies</b>	Kotlin, Android SDK, SQLite
<b>Frontend Technologies</b>	Android XML Layout

**MAR 2017 – OCT 2017**

### **SAHAJ CONNECT, SAHAJ MARG (HEARTFULNESS)**

**Let's Meditate** is an innovative app that enables a Seeker to experience meditation with the help of a Meditation Trainer. Sahaj Marg meditation focuses on the heart, By tuning in to our heart, we learn to be centered and discover the unlimited resources that lie within.

<b>Backend Technologies</b>	Kotlin, Android SDK, SQLite
<b>Frontend Technologies</b>	Android XML Layout

**AUG 2016 – OCT 2017**

### **SHPT ONLINE BOOK STORE, THE SPIRITUAL HIERARCHY PUBLICATION TRUST**

**SHPT Online Bookstore** is an Online bookstore and whole seller, where people able to by Heartfulness products from online, it was built on powerful E-Commerce engine OpenCart and backend system integration with RPOS with JAVA

Backend Technologies	PHP, OpenCart, MySQL
Frontend Technologies	HTML, CSS, JavaScript

**MAR 2016 – AUG 2017**

### **PHOENIX**, THE SPIRITUAL HIERARCHY PUBLICATION TRUST

Billing Software used for Billing heartfulness products, It uses Rails as internal framework, with backend with MongoDB for document storage

Backend Technologies	Ruby, Ruby on Rails, Postgres
Frontend Technologies	HTML, CSS, JavaScript

**DEC 2015 – MAR 2017**

### **HEARTFULNESS MAGAZINE**, THE SPIRITUAL HIERARCHY PUBLICATION TRUST

[Heartfulness Magazine](#) for Monthly and Yearly Subscription, Built with Spring Boot, Cassandra as internal data store.

Backend Technologies	PHP, CiviCRM , MySQL
Frontend Technologies	HTML, CSS, JavaScript

**APR 2015 – DEC 2015**

### **GLOBAL ARCHIVES**, SAHAJ MARG (HEARTFULNESS)

Asset Management System for Storing List of Available Books, CD, DVD, Tapes and more.

Backend Technologies	PHP, MySQL
Frontend Technologies	HTML, CSS, JavaScript

## PROFESSIONAL SKILLS

### PROGRAMMING LANGUAGES

Java	Expert
Python	Advanced
JavaScript and Node	Advanced
Ruby	Advanced

### SQL AND NOSQL

Relational Database	Advanced
MongoDB	Advanced
Redis	Advanced
GraphQL	Advanced

## FRAMEWORKS

Java	Spring boot, Struts, Spring MVC
Ruby	Rails
Node	Express, Sails, Electron
Python	Django, Flask

## MOBILE DEVELOPMENT

Native Android	Java/Kotlin
Native IOS	Swift
Cross Platform	Flutter, React native
Progressive Web	Workbox, Service worker

## HOBBIES & INTEREST

- Watching Cricket
- Exploring Computer Technologies

## PERSONAL INFORMATION

Name	Poovarasan V
Father Name	Vasudevan
Home Town	Gudiyatham, Vellore dist.
Date of Birth	11/08/1992