

# Ranjith Varatharajan

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- Accomplished, enthusiastic software engineer having around **3.9 years** of IT experience in all phases of Software Development including Analysis, Design, Study, Programming, Testing and Implementation.
- **3.9 years** of experience in **Microsoft .NET framework** developing Web applications using **C#, [ASP.NET MVC](#) and EF/DAPPER ORM**
- Expert in developing hybrid applications in **Angular (2-5) and Ionic.**
- Knowledge in **Azure PaaS**
- Knowledge in **web services** using **WEBAPI2.**
- Knowledge in **MSBI SSIS.**
- Knowledge in **SOLID and Test Driven Development.**
- Knowledge in **Design patterns.**
- Knowledge in **PHP Laravel 5, AngularJS 1, and Android.**
- Knowledge in **ASP CORE.**
- Knowledge in **Stored Procedures and functions** using **SQL Server 2008/2012.**
- A self-motivated person with ability to learn new technologies and adapt to new environment.

## TECHNICAL SKILLS SUMMARY

SDLC Model	:	Scrum, Agile
Cloud	:	Azure PaaS
Programming Languages	:	C#, Angular, Laravel, Java
Internet Technologies	:	<a href="#">ASP.NET MVC</a> , WebAPI2, Ajax
Scripting Languages	:	Java Script, jQuery, TypeScript
Web Servers	:	Internet Information Server 7.5,8,10
Databases	:	MS SQL Server 2016, MySQL, Firebase
Operating Systems	:	Windows 10
Design patterns	:	Repository
Dependency Injection	:	Autofac, Unity
Error Logging	:	Elmah, log4net, Sentry(Angular)
Development Practice	:	SOLID and TDD
Version Control Tool	:	TFS, GIT
Unit Test Framework	:	nUnit, MSTest
UI framework	:	Bootstrap 4, SemanticUI, MaterializeCSS

## EXPERIENCE HISTORY

Software Engineer,  
Sagezza India Pvt. Ltd., Bengaluru, Oct 2017 - Till Date

Software Engineer,  
Cogwave Software Technologies Pvt. Ltd., Bengaluru, Oct 2016 - Oct 2017

Software Developer,  
Sivaskathi Software Services Pvt. Ltd., Coimbatore, Nov 2014 - Oct 2016

## PROJECT SUMMARY

### (1) BookSpec Repository

Client : LSC Communications & Pearson inc, U.S.A  
Role : Software Engineer  
Period : December 2017 - Till Date  
Team Size : 10 Members

**Environment:** WEB and ETL.

#### The Application:

This project is a part of a bigger project that's being developed across multiple teams. This module involves mostly using ETL operations (Extract, Transform and Load) using SSIS and manipulate data using [ASP.NET](#) MVC C# (with TDD and SOLID).

**Technology Used:** C#. NET, [ASP.NET](#) MVC, EF, JavaScript, jQuery, Bootstrap 4, SSIS, SQL Server 2016, Windows 10, AJAX, WEBAPI2, SOLID, TDD

**Role:** Developed the SSIS package for extracting XML files, transforming and loading in the database with business rules. Solely responsible for creating the UI part of the application. Writing Test cases for the web service.

### (2) PF.Chang's E-Commerce Site

Client : PFChangs, USA  
Role : Software Engineer  
Period : Oct 2017 - Dec 2017  
Team Size : 30+ Members

**Environment:** Web.

**The Application:**

This is a heavily customized E-Commerce site based on Telerik Sitefinity. I have worked on bug fixing and UI Designs.

**Technology Used:** Asp.Net MVC, C# .Net, AngularJS1.5, Telerik Sitefinity, Bootstrap, JavaScript, Ajax, jQuery.

**Role:** Bug Fixing, UI Design Support, AngularJS Support

**(3) Kitchen Display System**

Client : Multiple clients, India.  
Role : Software Engineer  
Period : July 2017 - Oct 2017  
Team Size : 1 Member

**Environment:** Hybrid.

**The Application:**

This web-app project works conjunction with the EKOT app, that I built previously. This application displays, maintains and closes the kot tickets universally between the waiters and the kitchen chefs.

**Technology Used:** WebAPI2, Angular 4, Ionic, MaterializeCSS, TypeScript,SQL Server

**Role:** Designed and Coded from scratch, Used 7 layers of WebAPI 2, Used Repository design pattern, Used Autofac DI, Support, Module Development

**(4) eKOT**

Client : Multiple clients, India.  
Role : Software Engineer  
Period : April 2017 - July 2017  
Team Size : 1 Member

**Environment:** Hybrid.

**The Application:**

This is a hybrid application for the in-house KOT application. Using this app, the client can take orders from the customer and it sends the KOT order to the kitchen and does the billing stuffs. Also, have the concept of table merge and table split. With the power of WebAPI 2 services and Dapper database connectivity, the app is super-fast on reading and writing the data.

**Technology Used:** WebAPI2, Angular 4, Ionic, MaterializeCSS, TypeScript, SQL Server

**Role:** Designed and Coded from scratch, Used 7 layers of WebAPI 2, Used Repository design pattern, Used Autofac DI, Support, Module Development

### **(5) Cogwave Feedback App**

Client : Multiple clients, India.  
Role : Software Engineer  
Period : April 2017 - April 2017  
Team Size : 1 Member

**Environment:** Hybrid.

#### **The Application:**

Project Leven is a mini project that gets feedbacks from the guests about their hospitality in the hotel. It is a single page application based on angular and the forms are dynamic.

**Technology Used:** WebAPI2, C#, SQL Server, Angular 4, Ionic, TypeScript

**Role:** Conceived the concept, Designed from scratch, Coded the back end logic, 7 layers of WebAPI 2

### **(6) Cogwave House Keeping**

Client : Multiple clients, India.  
Role : Software Engineer  
Period : February 2017 - April 2017  
Team Size : 2 Members

**Environment:** Web.

#### **The Application:**

Project Kelvin is a MVC 5 application that works as an alternative for the company's windows application. With this project, the staff can use it anywhere in the world to know the status of the room, which is occupied or vacant. This house keeping web app can be used to allot minibar items in the room, Laundry management, Billings and set NOC status. Also, monitor cleaning status of rooms.

**Technology Used:** WebAPI2, C#, SQL Server, MaterializeCSS, jQuery, JavaScript, [ASP.NET](#) MVC

**Role:** Designed from scratch, Responsive material design, Coded the back end logic, 7 layers of WebAPI 2, Dapper database connectivity.

### **(7) HMS OnlineReports**

Client : Multiple clients, India.  
Role : Software Engineer  
Period : January 2017 - February 2017  
Team Size : 3 Members

**Environment:** Web.

#### **The Application:**

This is an online reporting web application for hotels and restaurants. It Provides several reports and mail those reports as attachment. It contains dashboard and reports like room availability, guest info, collection and occupancy in hotel, table matrix, daily sales, item sales and chart features.

**Technology Used:** [ASP.NET](#) MVC, C#, SQL Server, Angular JavaScript, Bootstrap, WebAPI2

**Role:** Designed project architecture, Initial UI design, Initial Back end architecture design, 7 Layer Architecture

### **(8) Hospital Information System**

Client : Multiple clients, India.  
Role : Software Engineer  
Period : November 2016 - January 2017  
Team Size : 3 Members

**Environment:** Web.

#### **The Application:**

A complete package for hospital management system. Started with Web-API 2 as backend and Angular 2 as UI and Dapper Database connectivity. It has modules such as patients information, doctor's information, patient doctor appointment, doctor slot management and much more.

**Technology Used:** WebAPI2, C#, SQL Server, Angular 4, Bootstrap, TypeScript

**Role:** Responsive bootstrap UI design, Coded the back end logic, 7 layers of WebAPI 2, Dapper database connectivity, Autofac dependency injection, Fluent validation.

## **(9) KVT Reporter**

Client : KV Textiles, India.  
Role : Software Developer  
Period : September 2016 - November 2016  
Team Size : 1 Member

**Environment:** Mobile.

### **The Application:**

KVT Reporter is a mobile app built on the newly re-invented Angular2 framework. It is refreshing and easy coding structure made this app look stylish and flexible to further extension. Laravel 5, as web service, to handle the backend super-fast.

**Technology Used:** Angular / Ionic 2, HTML, TypeScript, SCSS, Laravel 5.2

**Role:** Conceived the concept, Designed from scratch, Coded the back end logic, Laravel API.

## **(10) Pothys Reporter**

Client : Pothys Textile, India.  
Role : Software Developer  
Period : July 2016 - September 2016  
Team Size : 1 Member

**Environment:** Web.

### **The Application:**

Pothys reporter is a web app that hooks up with our windows application and displays the reports. All the database connectivity and the logics were in web services using php's latest technology, Laravel. This web service made end-less possibilities for software expansion. I, now, created a web application that makes use of this web service. Soon, There will be a mobile application that can make use of this service.

**Technology Used:** Laravel 5.2, PHP, HTML, CSS, jQuery / JavaScript, MSSQL

**Role:** Conceived the concept, Designed from scratch, Coded the back end logic.

### **(11) Greens SM Reporting App**

Client : Greens SM Textiles, India.  
Role : Software Developer  
Period : June 2016 - July 2016  
Team Size : 1 Member

**Environment:** Hybrid.

#### **The Application:**

Greens SM Reporting App is designed particularly for the specific client, Greens, who has our heavily customized superior Super Market application. This application hooks up with the database and shows the stocks, sales, and purchase and employee reports. Since it uses the WebAPI2 web services, Android application also takes advantage of this. I always believe in WORE concept (Write Once Run Everywhere) and that's the way to code.

**Technology Used:** Cordova, KendoUI, HTML, jQuery / JavaScript, CSS, MSSQL

**Role:** Conceived the concept, Designed from scratch, Coded the back end logic

### **(12) AARIS Customer InfoDesk**

Client : AARIS, USA.  
Role : Software Developer  
Period : April 2016 - June 2016  
Team Size : 1 Member

**Environment:** Web.

#### **The Application:**

Project Falcon is an extension to an already developed product. The previous product is accessible to the staffs only. However, this extension makes the product accessible to the customer also. This custom module helps to track orders, orders details and generate reports. The application is responsive which adapts to any screen size.

**Technology Used:** [ASP.NET](#) MVC5, MSSQL, HTML, jQuery / JavaScript, CSS

**Role:** Conceived the concept, Designed from scratch, Coded the back end logic, 4 layers of WebAPI 2, EF database connectivity, Semantic UI.

### (13) SS KOT

Client : Multiple clients, India.  
Role : Software Developer  
Period : February 2016 - April 2016  
Team Size : 1 Member

**Environment:** Mobile.

#### **The Application:**

Project Everest is a hybrid app project for our restaurant clients. This application hooks into our existing retail management software, which is running in our client's server and brings most of the functionalities like KOT management, reports and billing used in the windows application to mobile devices.

**Technology Used:** HTML, JavaScript, CSS, KendoUI, Cordova, WebAPI2

**Role:** Designed from scratch, Coded the back end logic, 4 layers of WebAPI 2, EF database connectivity

### (13) Chitfund Management Software

Client : ARRS Silks, Pachaianman Silks, India.  
Role : Software Developer  
Period : July 2015 - February 2016  
Team Size : 3 Members

**Environment:** Web.

#### **The Application:**

Chit Fund Software (CFS) is a web based application for Chit Fund Companies. It also provides secured online access to its members and staffs. Members can see next payment information, amount to be paid along with Loan details etc. It comprises of all the essential facilities and features including Reports and SMS reminders integrated, which required streamlining daily/monthly Chit Fund Activities. The same project can behave dynamically based on their user roles. Plugins were and can be developed and integrated to enhance the UI functionalities of this project.

**Technology Used:** [ASP.NET](#) MVC5, , C#, HTML, JavaScript, CSS, DevExpress Kit, Entity Framework, MSSQL

**Role:** Designed from scratch, Coded the back end logic, 4 layer architecture, EF database connectivity, Coordinated all updates



**EDUCATION:**

- **MCA (9.02 CGPA)**, Hindusthan College of Engineering and Technologies, Coimbatore. 2009-2012
- **BCA (77%)**, SMS College of Arts and Science, Coimbatore. 2006-2009
- **HSC (79.25%)**, SN Matriculation Higher Secondary School, Coimbatore. 2005-2006
- **SSLC (74.25%)**, SN Matriculation Higher Secondary School, Coimbatore. 2003-2004

**REFERENCES:**

Available upon request.