



# Sanka Bulathgama

Software Architect

| ex-Microsoft | Software Architect | Application Developer | Tech Speaker | 9 Years of Experience |  
| Cross regional working experience South east Asia and Middle East |

## Experience

- 9 Years of experience in enterprise-scale application development, architecture designs and technology management.
- 5 years of experience in Technical Pre-sales activities. United Arab Emirates, Oman & Sri Lanka.
- Experience and understanding of large-scale application in enterprise-wide environments.
- Experience in leading product teams & working with C-level executives.

## Expertise

- 9 Years of experience in Microsoft Technology Stack. Web, mobile & Cloud (Azure)
- Hands-on in API design, client server interaction design and cloud infrastructure architecture
- Web application server technologies, cloud application design, software architecture and practices (design/development/deployment, Agile)
- Database modelling implementation
- C# (proficient)
- .Net Implementations & Web frameworks: .NET Core, .NET Framework, Xamarin, UWP, ASP.NET, ASP.NET Core
- IoT & RFID Solutions.

## Employment History

### SOFTWARE SOLUTION ARCHITECT AT COMOPACK, SINGAPORE

April 2019 — Present (2 Years +)

- Sole responsibility to provide architectural blueprints and technical leadership for COMOPACK in the process of digitalizing Comopack supply-chain & logistic ecosystem.
- Technology Specialist/ Software Architect for the entire COMOPACK IT solutions stack. (On-prem & Cloud)
  - ✓ End to end Global Tracking System
  - ✓ Comopack Operations, Customer and Transporter Applications (Web & Mobile)
  - ✓ RFID Tracking & Device Management System (RFID, IoT, Raspberry pi, Web & Mobile)
  - ✓ integration architecture for entire Comopack IT solution.
  - ✓ End to end process of choosing an ERP vendor to defining business & technical requirements, implementation, deployment & maintenance.

## Expertise

C# .NET Azure .NET Core ASP.NET  
ASP.NET CORE RFID Azure Cloud  
MVC MVVM Microservices HTML5  
JavaScript AngularJS CSS3 jQuery  
XAML AJAX SQL SQLCE LINQ  
Entity Framework ADO NET Rest API  
Json Webservices Windows Services  
XML Xamarin Windows Mobile  
Windows CE Java Android SQL  
Server Visual Studio Android Studio  
DevExpress AutoCAD SDK Draftsight  
SDK Zebra SDK IoT API

## Personal Details

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Type of Work Pass: EP

## Links

[LinkedIn](#)

[Website](#)

[Blog](#)

- Responsibility of Designing, Architecting & Planning cloud-based end to end Comopack Global Tracking Solution

#### On-premises Tracking: Warehouse Item movement tracking for global operations using RFID Technology

- ✓ Reduced RFID Hardware cost by 25%. Introduced a new, viable & efficient strategy to track item movements.
- ✓ Automated the warehouse Item receiving & dispatching processes by implementing an algorithm to capture the direction of item movements.
- ✓ Introduced, Designed & architected Comopack RFID Device Management System to manage globally deployed RFID devices.
- ✓ Introduced an IoT device (Raspberry pi) for the RFID system to process & cleanse captured data prior sending them to the API.

#### In transit Tracking: Driver/Vehicle Tracking Mobile App

- ✓ Designed the application & integration architecture
- ✓ Reduced development time, cost & resources by Introducing Xamarin cross platform development tool to develop the mobile tracking application for both iOS & android platforms.
- Accountable for choosing a cloud provider to design & implement cloud infra-architecture for Comopack IT solutions. (AWS)
- Developed a new portable network connectivity kit to deploy globally in Comopack/Customer warehouses. Reduced the hardware & license cost by 65%.

#### **Tech Lead at Data Capture Systems LLC, Dubai & Oman Ops.**

Dec 2015 — March 2019

- Technical Pre-sales activities
- Led Software Application Development Team for DCS Oman Ops.
  - Responsibilities:**
    - ✓ Sole technology specialist & consultant for DCS Oman Ops.
    - ✓ Customer engagements & pre-sales activities Oman & Dubai Ops.
    - ✓ Application & integration architecture design, development, deployment & maintenance.
    - ✓ Development resource allocation & management
- Designed, developed & implemented enterprise applications (On-prem & Cloud based) for major companies in middle east region. (Industries: Oil & Gas, Supply chain & logistics, Automotive, Manufacturing, Healthcare etc.)
  - ✓ Vehicle Tracking Systems
  - ✓ Warehouse Management Systems
  - ✓ Asset, Inventory & Stock tracking systems
  - ✓ Van sales Systems

Technologies:

.Net Web based services & Applications, Web API, Xamarin, Android, Windows CE, SAP & Oracle integration, Azure, RFID, MVC, MVVM, Microservices etc.

- Proposed & initiated a program to develop DSC own SaaS based WMS & Asset Tracking System. Needed to build a strategy to get regular recurrent sales for Software Development Department.

## Senior Software Engineer at Wakensys (Pvt) Ltd, Sri Lanka

Jan 2014 — Nov 2015

- Technical pre-sales activities.
- Led .Net Application Development Team.

### **Responsibilities:**

- ✓ Customer engagements & pre-sales activities local & overseas.
- ✓ .Net Application developments & maintenance. (ASP.Net, MVC, Windows Phone, C#, WebServices, Web API, Standalone applications, Database modeling & implementation etc.)
- ✓ Android App development for SMEs
- ✓ Existing application maintenance
- Developed a customized plugin for Autocad & DraftSight.

## Founder, CTO at Colombo Software Solutions, Sri Lanka

2014 — 2015 (Part Time)

**Startup.** I started the company with 3 of my former Microsoft colleagues. We did quite well, even though we did not commit fulltime to the company. We have done few major projects under CSS (PVT) LTD & there were 4 application developers working for us. In the end of 2015, all shareholders decided to go in different directions and we liquidated the company.

## Software Engineer at Microsoft, Sri Lanka

Aug 2013 — Jan 2014

It was a great experience & wonderful opportunity to work for a tech giant like Microsoft. I joined with Microsoft as an Intern Software Engineer over a 6 months period. Responsibilities: Application development, managing tech communities, Microsoft imagine cup, Microsoft MVP & MSP programs.

- I have attended more than 50 tech events as a guest speaker to talk about Microsoft new technologies & how organizations can adopt these technologies in to their business.
- Developed a cloud-based music streaming app for windows phone platform.
- Developed CHOGM 2013 official windows UWP app.

## Associate Software Engineer at Wakensys (Pvt) Ltd, Sri Lanka

2012 — Aug 2013

I joined with Wakensys Pvt. Ltd as an Associate Software. I was a .Net software application development engineer.

- .Net framework based mobile & web application development. (Windows CE, .NET, ASP.Net etc.)

## Education

### **BACHELOR OF SOFTWARE ENGINEERING (4 Years)**

The Open University of Sri Lanka

### **BCS HEQ - British Computer Society, The Chartered Institute for IT**

- BCS Level 6 Professional Graduate Diploma in IT/100/6191/5
- BCS Level 5 Diploma in IT/100/6190/3
- BCS Level 4 Certificate in IT/100/6190/2

## HONORS & AWARDS

- Technical Community Speaker – Microsoft Tech Communities Sri Lanka
- MBCS – British Computer Society
- Microsoft Student Partner 2012-2014
- Microsoft Student Ambassador Sri Lanka 2012-2014

*References available on request*