



Sanka Bulathgama

Software Solution Architect

| Software Solution Architect | Developer | Tech Speaker | 8+ Years of Experience |

Expertise

- Enterprise-scale technical experience with cloud infrastructures, application architecture designs and technology management
- Experience and understanding of large-scale application in enterprise-wide environments
- Hands-on in API design, client server interaction design and cloud infrastructure architecture
- Domain expertise of cloud infrastructure solutions (i.e. Windows IaaS, Security, Management, Storage, Networking, OSS, containers and Infra as a code technologies)
- Experience with scalable architectures using Azure App Service, API management, serverless technologies, container orchestration, API management, Microservice frameworks etc.
- 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

Employment History

SOFTWARE SOLUTION ARCHITECT AT COMOPACK, SINGAPORE

April 2019 — Present

- 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 .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

Personal Details

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Links

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[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 infrastructure for Comopack IT solutions. (Azure)
- 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

- 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

- 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. Commonwealth Heads of Government Meeting was held on Sri Lanka in 2013 and there was a requirement to develop an application (mobile and Desktop (UWP)) to self-guide invitees with a map service and event reminders including their accommodations. This App is providing notifications about meetings and locations with voice directions on map along with accommodations including their food menus reservations. This app also using in large scale kiosk devices custom made for CHOGM

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

Aug 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 (4Y), 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

INTERESTS

- Formula 1, Cricket
- Xbox, PS4, COD
- Entrepreneurship, Innovation & Startups
- Books (Biographies, Technology, Startups)

References available on request