



Overview

- Techno functional expert with over 9 years of project experience in cloud based Mobility and IOT.
- Microsoft Certified Azure Developer with experience in developing new technologies / techniques in software development process.
- Currently with Voith as Solutions Architect, actively participating in their Industry 4.0 (IOT) and Mobility initiatives and have successfully launched applications globally.
- Extensive experience in providing solutions around various technology stacks in IOT & mobility.
- Directed and worked with multifunctional and multicultural teams, globally.

Technical Proficiencies

Cloud: Developing cloud solutions using Windows Azure.

Mobility: HTML 5, CSS, AngularJS, IONIC Framework, Rest API.

Web Development: Visual Studio 10/12/13, ASP.NET, Entity Framework, MVC, JavaScript, JQuery, AngularJS Ajax, Json, HTML5

Industry 4.0: IOT strategy /solutions.

Design Patterns: MVVM, MVC

Services: WCF, Web Services, WebAPI & Restful API.

Programming: ASP.NET using C#, C++(basic)

Database Technologies: Microsoft SQL Server 2005/08/12.

Source Control: Team Foundation Services 2013, Visual Source Safe.

CRM: Salesforce Admin (basic).

Windows: Windows Forms, WPF

Professional Experience

Voith Hydro Pvt Ltd

2010 till date

World leaders in hydropower plant & equipment.

Growth path

Joined as Sr. Software Engineer based at Germany - 2010 to 2013
Posted at Noida India as Solution Architect in 2013 till date

Solution Architect

- Handling projects all over the world.
- Member of a worldwide core team formed to introduce and drive the strategic roadmap for IOT & mobility at Voith globally.
- Responsible for building the basic framework for mobile application and for development and leverage of IOT based solutions.

Key Implementations / Achievements

- Developed the first mobile application (hybrid) enabling managers to access project status worldwide on their mobiles.
- Developed IOT based solutions (POC), to read sensor data from configured system and send out SMS notifications for critical situations. Currently in use in India, Japan, Singapore locations.
- Developed an IOT based solution for transferring data to cloud from water level in inlets of hydro plants.
- Developed simple data interface to connect with the Hydro Central Technical Info Database enabling seamless access thru web or mobile from any location globally.
- Launched 100% mobile friendly application for measuring success standards based on KPIs of projects.
- Developed in house Windows based price calculation tool for new projects, which was successfully launched globally.
- Identified and appointed external vendor, a first for Voith.
- Executed with external vendor an onsite facility for Voith employees based at remote locations to enable offline work.

Key Projects at Voith

Project Navigator Mobile App - member of global team

A companywide initiative to introduce mobility in Voith.

Technology: HTML 5, IONIC Framework, CSS , AngularJS, Web API , SQL Server 2012

SMS Notification for sensor data - Team Size: 02

Technology: C#, Windows Service, GSM interface , Internet Dongle for SMS (outbound)

Hydro Plant water level sensor data -Team Size: 02

Evaluate how Voith can leverage IOT based solutions

Technology: Arduino board, GSM shield , .INO, Web API

Hydrocentral Rest API - Team Size: 01

Restful API development for central technical database

Technology: C# , ServiceStack , Redis, SQL Server 2012

Cost Database - Team Size: 5

A legacy system to calculate project prices.

Technology: C# , WPF, MVVM , Entity Framework, SQL Server 2012

OPEX (Operational Excellence) - Team Size: 3

For measuring operational excellence at Voith in all projects based on KPI's.

Technology: HTML 5, CSS , JavaScript, JQuery , MVC, Web API, C# , SQL Server 2012 R2

Onsite Service - Team Size: 10

Windows based application for FRS UK

Technology: C# , WPF, MVVM , Entity Framework, SQL Server 2012

Leading IT company with worldwide operations.

Software Engineer**Key Projects handled at HCL****Wiltshire County, UK Police Department**

Project for integration of Central Criminal database of UK with mobile devices and web applications.

Technologies: .Net 2.0, Windows Mobile CE , BizTalk Server, C# , Sql Server, WCF, XSLT, ASP.NET, XML , XML, SOAP

Team size: 45

Q8 petroleum

Developed software for implanting at manned and unmanned filling stations in Netherlands and Belgium to monitor operations.

Technologies used: .Net 2.0, C# , Sql Server, WCF, XSLT, ASP.NET, XML , XML, SOAP

Team size: 06

Achievements

- Ensured successful closure of the UK Police project. Was awarded as an outstanding performer.
- Subsequently, was part of the product development team that successfully sold the Police Department Product to 17 counties in the UK.
- Interacted with Q8 Petroleum to remove all glitches and bugs in the software to the client's complete satisfaction. Helped finalize yearly maintenance contract with client for upkeep of the software.

Academics

Bachelor of Technology (Information Technology).

Professional Certifications

Microsoft Certified Professional (MCP) - Developing cloud solutions using Windows Azure (70-532)– Jan ,2016

Microsoft Certified Technology Specialist - Web Applications - 2008

Windows Azure - Fundamentals; Developing Solutions; Implementing Big Data Analysis – 2015

Salesforce - Admin Module from Trailhead – 2015

LinkedIn

<https://in.linkedin.com/in/singhdilip>

Web

<https://d4dilip.wordpress.com/>

Language Proficiency

German, English, Hindi

Date of Birth

26 May 1983

Passport No

G7440175