



## Dilip Singh

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### Overview

- Techno functional expert with 10 years of project experience in cloud based Mobility and IOT, BigData, MVP development.
- Microsoft Certified Azure Developer with experience in developing new technologies in software development process.
- 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 bot development, Artificial Intelligence apps development

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

**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, Git

**CRM:** Salesforce Admin (basic).

**Windows:** Windows Forms, WPF

### Professional Experience

#### The Boston Consulting Group (BCG)

13<sup>th</sup> June 2016 to date

##### Lead knowledge Analyst

- Solution architect for Asia pacific region
- Leading team to build technology solutions for clients
- Mentoring team and driving the development of MVP
- Project estimations and process improvement

#### Voith Hydro Pvt Ltd

2010 to 2016

*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 strategic roadmap for IOT & mobility at Voith globally.
- Responsible for building basic framework for mobile application; 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.
- Developed an IOT based solution for transferring data to cloud from water level in inlets of hydro plants.
- Developed interface to connect with Hydro Central Technical Info Database enabling seamless global access thru web.
- 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.

#### 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

- Executed with external vendor an onsite facility for Voith employees based at remote locations to enable offline work.

## HCL Technologies

July 2007 till Feb 2010

*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 finalise yearly maintenance contract with client for upkeep of the software.

## Academics

Bachelor of Technology (Information Technology)

## Professional Certifications

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

**Salesforce** - Admin Module from Trailhead – 2015

**Microsoft Certified Technology Specialist** - Web Applications - 2008

## 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