**Diwakar Singh**

## +919686876501, 9632563212| Bangalore, India| [**diwar.deb@gmail.com**](mailto:diwakar.debo@gmail.com), sdgg.dhjd@gmail.in

**Software Professional (8 Years)**

Objective-C, C, C++, C#, and familiarity with Swift, and Xamarin. Sound understanding of Memory management, Core Data, UI Kit Framework, RESTful web services. Experience in integrating expert system like CLIPS (C Language Integrated Production System) with iOS.

Presently working as a Technical Lead with Tavant Technologies

Having an experience of nearly 7 years and 10 months

Proven skills in exhibiting technical leadership and setting directions

Ability to effectively manage and lead a team

Ability to communicate complex technical information effectively and appropriately

###### Technical Skills

* Proficient abilities in languages such as **Objectice-C, C, and C++**.
* Familiarity with languages like **Swift, C#, RESTful Web Services, JSON, XML, XSLT**.
* Abilities and understanding in **Core Data, UIKit Framework, Object Oriented Java Script, JQuery, Backbone.js, Require.js, HTML5**.
* A thorough understanding and concept of OOPs, design patterns like MVC, design patterns like Observer Patterns – Notifications and Key-Value Observing.
* Exposure to Expert System/Rule Engine and CLIPS (C Language Integrated Production System) and its integration with iOS.

Awards and Recognition

* Received **Spot Award** for very quickly picking up the project requirement and starting with deliverables in record time.
* Received **Tavant Excellence Award (TEA)** for customer focus and overall performance.
* Received **Pat on the Back Award** for a much appreciated solution suggestion and implementation for the project.
* Received **Attitude And Aptitude** **(AAA)** award as a recognition for continued quality delivery.

###### Professional Experience

**Tavant Technologies Jan 2011 till date**

* Programming and Development.
* Interacting with clients, understanding and gathering requirements.
* Task distribution and providing guidance to other team members.
* Ensuring high usability of application and quality of deliverables.

**Trenchant Trading Systems Sept 2010 - December 2010**

* Development activities for existing Trading Software named Graybox.
* Bug Fixing and enhancement for Graybox, as per the requirements of traders/users.

**Royal Bank of Scotland Dec 2009 - August 2010**

* Application development for Equity Derivatives, Issuance platform.
* Web Application Development using C#, ASP.net, XML, XSL.
* Preparing Unit Test Plans.
* Application deployment and Production issue resolutions
* Bug Fixing and enhancement with the existing application.

**Power Research & Development Consultants Pvt. Ltd. Oct 2007 - Nov 2009**

**Work Profile:**

* Application development for Electrical and Power System Studies.
* Library development as part of C++ framework and custom controls.
* Generalized Tools development, usable by other software applications.
* Involved into preparation of SRS, SDD and development Time Estimation.
* Preparing Unit Test Plan and Unit Test Result.

**Natural Disaster Management Initiative Pvt. Ltd Jan 2007 - Sept 2007**

**Work Profile:**

* Responsible for developing Modules for **Meteorological Observation Centers**
* Studying various modules (Created in C language) of Earthworm Software System used worldwide at Tsunami Warning Centers.
* Component Testing
* Preparing Unit Test Plan and Unit Test Result

### Projects Handled

### Client Name : Allegion

### Product : Order Entry Works – iOS Native App for iPad

**Technology used : Cocoa Touch, Core Data, RESTful service**

**Role :** Technical Lead

**Description :**

### The iPad version of OEW – Windows allows user all the functionalities of its Windows counterpart. Except that initially it has been released for only three order modules – Stock, Parts and Labels. For other order modules that contain huge codebase containing business logic, use of an expert system is into consideration. Open source expert systems/business rule engines such as CLIPS (C Language Integrated Production System).

### Client Name : Ingersoll Rand

### Product : Site Survey – iOS Native App for iPad

**Technology used : Cocoa Touch, Core Data**

**Role :** Technical Lead

**Description :**

### An iPad application used in conducting survey, inspection and reporting issues if found in the current fittings of a building. This fixtures may include, door locks, door handles, glass fittings etc. Initially designed to be used by IR employees but later upgraded to be used by authorized external users. The application lets the user create and maintain surveys and also capture pictures of the faulty fitting using device camera. These survey reports can further be communicated through emails.

### Client Name : Trane

### Product : Trane Map – iOS Native App for iPad

**Technology used : Cocoa Touch, Core Data**

**Role :** Technical Lead

**Description :**

Trane is a company which has lot of different air-conditioning and heating systems. Using this application which runs on iPad, Sales Representative from Trane can visit different customer location and finalize the deal quickly and efficiently. Sales person can perform initial study at client place like, measure the cooling or heating space, neighborhood. For e.g. if air-condition unit will be placed in a dusty location etc, cold and hot spots, allergies and health.

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### Client Name : Allegion

### Product : Order Entry Works – Windows Desktop

**Technology used :** C++, MFC, Win32 APIs

**Role :** Technical Lead

**Description :**

### Order Entry Works (OEW) is an Order Entry application that allows distributors to place orders by order type and submit them electronically to the Steelcraft MAC-PAC system. The distributor has the option of entering the orders directly into OEW or they can import a file created by an external application that will provide project requirements. OEW supports the following Steelcraft programs: Stock, Parts, Labels (Fire Label), Rapid (10-day program), 48-Hour Express, Standard (4-8 week program), and Frame Elevations (both 2-week and 2-week programs). Once a distributor has chosen on order module to begin the purchase order, only the products available along with their corresponding valid options/features will be available for placement on the order.

### Client Name : RBS

### Product : Notification Gateway

**Technology used :** C#, ASP.NET, XML, XSL, MS-SQL Server 2005

**Role :** Programmer/Developer

**Description :**

The essence of the project lies in handling communication management between Originating System and Stock Exchanges, such as Bloomberg, Swiss Exchange, Euro Next and others. Different **Structured Products** gets listed at exchanges as per the information provided by PIMS. Notification Gateway handles all the requests sent by PIMS in the form of XML document. A window service executes at a certain time interval to get all the products waiting in the upload queue. XMLs are regenerated using XSLT as per the business rules of exchanges. Another service handles sending of product information and getting the response for the same and sending it back to Originating System. All the state information as well as product termsheets once generated are stored in the database.

### Client Name : PRDC Pvt. Ltd.

### Product : MiPower Import Export Data

**Technology used :** MFC, Win32 API, Oracle 10g

**Role :** Programmer/Developer

**Description :**

This is a generic data migration tool. It aims to provide a common platform in terms of file type and format of representing data for further processing. Electrical data such as meter reading, tamper data, electrical asset information are provided into different types of files and in diversified formats. Specialty of the tool remains in the fact of providing support for file types such as plain text file, CSV files, Excel files. Besides, the tool doesn’t need any code modification as to support different file formats, instead a sql script which provides file format information and designated output information. It generated DML queries on the fly, supporting all types of constraints.

### Client Name : BESCOM

### Product : Load Research

**Technology used :** MFC, Win32 API, Oracle 10g

**Role :** Programmer/Developer

**Description :**

This is an application based on electrical Power System Studies. The objectives of the application are as under:

* Establishment of an accurate database and to know the trends of load growth over a period of few years to form a base for future load forecasting.
* Prediction of peak demands, the supply system will be required to meet in future.
* Estimation of changes in demand patterns so that loads can be identified which are particularly suitable for development, meeting the needs of consumers and yet assisting the industry to make good use of its capital investment.

### Client Name : BESCOM

### Product : Reliability Index

**Technology used :** MFC, Win32 API, Oracle 10g

**Role :** Programmer/Developer

**Description :**

This is an application based on electrical power system study. There are a number of parameters based on which the quality of power supply is evaluated. The attributes include SAIDI, SAIFI, CAIDI, CAIFI and Tripping per 100 Ckt. Km. The application aims at the calculating and generating report at each level such as Subdivision, Substation, Feeder or Consumer level etc. It uses Meter Tamper Data downloaded by the application from field meters using GSM SIM cards.

Educational Qualification

* **Master of Computer Application** from **IEC** College of Engg. And Technology, Greater Noida with an aggregate of **66.15%** Greater Noida. Year of Passing : **April 2007.**
* **Advanced Diploma in Computing** from **CDAC**, Pune with an aggregate of **68.85%** of marks. Year of Passing : **Jan 2003.**

Personal Details

Name: Diwakar Singh

Pan: FGBNH1236K

PassPort: M1236523

Gender: Male

Marital Status: Single

Dob: 15/06/1984