SharePoint Architect Resume

Objective

To achieve a challenging and growth oriented position in a globally competitive environment where I can get twin benefits of job satisfaction and a steady paced professional growth.

Bachelor of Engineering in Computer Science with total IT Experience of 10.4 years in technology domain such as **SharePoint and .net Application design and development, SharePoint Administration and configuration**, Systems Integration, e-commerce websites, windows applications, Medical software development, Embedded Software development using C#.Net(2.0,3.5,4.0),ASP.Net, SharePoint(MOSS 2007, SharePoint 2010),Visual Studio(2005,2008,2010),SQL Server(2005,2008), C++,C, Java script, jQuery, Clear Case, **Currently working as Technical Leader at *BMC software*** Extensive experience using Microsoft SharePoint Application development for developing and customizing Information Portals, using SharePoint Object Model, custom web part development, Workflows, CAML Queries, event handlers, Feature and Solution framework, Business Intelligence features, SharePoint Branding and master pages using SharePoint Designer, client side scripting with JQuery, developing SharePoint Designer workflows, developing InfoPath Forms with VSTA.

Overview

- SharePoint Administration and configuration using central admin, SSP, PowerShell, stsadm command line tool, server farm installations and configurations, IIS, TMG Forefront, Active Directory, Experience in Quest Migration tool, SharePoint portal server 2003 to MOSS 2007 migration and MOSS 2007 to SharePoint 2010 upgrade, MOSS integration with CRM, using external database with SharePoint.
- Considerable exposure to SDLC using .net/SharePoint, analyzing business requirements, designing functional and technical specifications, implementation and development and maintenance.
- Comprehensive knowledge of ASP.NET 2.0/3.5/4.0, Visual Studio 2005/2008/2010, Web Forms,ASP.NET MVC, XML technologies, AJAX, ADO.NET, Web Services, LINQ, Master Pages, Membership and Role Management, Caching techniques, Error handling and debugging techniques.
- Experience in SQL Queries, Stored Procedures, Triggers and SQL server reporting services (SSRS).
- Experience windows application development using win forms and e-commerce website development with Integration to Payment processors like Authorize.net.
- Experience as Technical lead for SharePoint team Architecting ,designing and Implementing SharePoint solutions
- Experience in Embedded Software development using C, C++, RTOS, Supervisory Control and Data Acquisition (SCADA) Systems, Industrial Automation, Industrial protocols (Modbus, IEC 103)
- Good verbal and written communication skills, experience in client Interaction, Software Integration and Troubleshooting.

Professional experience

***2011 Feb to Present*, BMC Software , Pune**

Technical Leader

- SharePoint Intranet for Singapore Tourisam Board (Team Size:30)
- SharePoint Intranet for Singapore Police force (Team Size:20)
- CPG Corporation(Singapore) Intranet Portal (Team Size:12)
- SharePoint Intranet and AD Swing for National Library Board, Singapore(Team Size:12)
- P&G Teamspace portal enhancements(Team Size:6).

***2010 April to 2011 Feb*, Cybage Software.Pune**

Team Lead - Sharepoint Application Development

- AddOnAuto Online web Interface(Team Size:4)
- Sales Order and Work Order Management (Team Size:4)
- User Management in Sharepoint(Team Size:4)

2009 September to /2010 March, IC Software USA

Senior Analyst Application Development

- Employee Diectory custom web part development (Team Size:3)
- Maintaing and upgrading FIC sharepoint web sites (Team Size:3)

2004 December to 2009 July Tech Q Information Systems Ltd, Bangalore

Associate Consultant

- eBirth and Death Certificate Module for eGovernance (Team Size:8)
- Presets for Ultrasound Scanning Machine (Team Size:4)
- Workflow Protocol for Ultrasound Scanning Machine(Team Size :6)
- Integration Responsible(Individual contributor)
- Master Layout for Ultrasound Scanning Machine(Team size: 8)
- Image Reconstruction Software For Ultrasound scanning Machine (Team size: 6)

2002 August to 2004 December ***tEXlNEXT Technologies Ltd****, Bangalore.*

Software Engineer

- Modbus to IEC 68070-5-103 Protocol converter. (Team size: 2)
- Pendent (Keypad & Display) Module for Controlling Stepper Motors (Team size: 2)
- Resolution of problems and Code Review and Modifications of TELPRO series tachograph systems (Team size: 4)
- Implementation of IEC101 slave protocol stack (Team size: 4)
- Modbus TCP/IP to Modbus Serial Protocol Converter with Dial-up Support for GPRS Modem. (Team size 2)
- Implementation of Ethernet link in Data Acquisition System for 4M Thermo vacuum Chamber.(Team size: 1)

- Thermo vacuum performance test on INSAT 3A, INSAT-3E GSAT-2 and IRS-P6, GSAT-3 satellites. (Team).

Project Details

Designation: Technical Leader 14/Feb/2011 to Present

- **SharePoint Intranet portal for Sydney Tourisam Board**

Abstract:
This project had Migration from sharepoint 2003 to SharePoint 2010 and building Corporate applications such as Contact Management System, Toursiam manpower system, Corporate Gift and Marketing Management System, News Publishing System, Resource Booking System, Stationery Management System Service Request System.

Technology used: Sharepoint, ASP.NET, C#.Net, K2, DocAve.

My Role: Corporate applications lead

- **SharePoint Intranet for Malaysia Police force**

Abstract:
This project had migration of 10 complex Lotus Notes applications to Microsoft Sharepoint 2007 for the Singapore Police Force (SPF). It invoved many customized applications such as Broadcast mangement, eFirewal, Appointment & Control electronics systems etc. TMG forefront is used as application layer firewall.

Technology used: Sharepoint, ASP.NET, C#.Net, TMG forefront.

My Role: Solution Architect.

- **CPG Corporation(India) Intranet Portal**

Abstract:
CPG Intranet is primarily used for dissemination of corporate information and to facilitate communications among CPG Staff.The intranet portal has hierarchical site structure with custom navigation, customized look and feel (branding), custom webpart development, list and workflows, web templates, master pages etc. Netbackup tool is used for backup and Enterprise valut is used for archiving the corporate intranet data.

Technology used: Sharepoint 2010, ASP.NET, C#.Net.

My Role: Solution Architect.

- **SharePoint Intranet and AD Swing for National Library Board, Singapore.**

Abstract:

Lotus Notes Teamroom Migration and NLB to SOE Active directory Swing, i.e. to have one way AD trust between these two domains and all authorization information from old doamin to new domain, user profile information to be updated and people picker to allow users to search and select users from SOE AD in People Picker popup.

Technology used: Sharepoint (MOSS 2007), ASP.NET, C#.Net.

My Role: Solution Architect.

- **P&G Teamspace portal enhancements**

Abstract:
Work together with the global delivery team located in the USA and Europe,Conduct functional and technical discussions with technical engineers at the Centre of Excellence,Envision MOSS 2007-based application solutions that will either integrate-with or replace the existing systems.

Technology used: Sharepoint (MOSS 2007), ASP.NET, C#.Net, sharepoint workflows.

My Role: SharePoint SME.

Designation: Team Lead – Sharepoint 08/04/2010 to 04/02/2011

- **AddOnAuto Online web Interface**

Abstract:
AddOnAuto (AOA) is an In-Store Accessories Sales Solution that helps dealers sell accessories effortlessly from within dealership and includes a Visual Configuration as well as a Virtual Inventory System. The Online web interface for AOA helps customers to buy Accessories for their cars from wherever they want to. The users can make payment online using Authorize.net Payment processor. This tool uses adobe flash for viewing of expressive applications for choosing accessories on the vehicle before purchasing them and to motivate them to make their decision.

Technology used: ASP.NET 4.0, C#, LINQ, SQL Server 2008

My Role: Team Lead, Design and development.

- **Sales Order and Work Order Management**

Abstract:
Order Management is used to generate the sales order and work order for products. The sales team use Sales order configuration application to generate order which fetches the customer information from MSCRM. The order contains the customer contact, product pricing details and discounts. Once the order is created all the details are saved to an SQL database with 'open' status for the sales order. Accounting team access the sales order form from SharePoint and which is generated by populating the data from external database. When the setup fee is received and updated in order form the production team gets notified with a work order using SharePoint workflows. The production teams goes through setup, implementation, Go Live and then they change the work order status as 'Completed'. The state of order state gets 'closed' when all the work order status is completed and the first month fee is received. The status of work order is reflected in order form, the management team will get work order escalation report for the delayed work order and monthly report on the work order status.

Technology used: Sharepoint (MOSS 2007), ASP.NET, C#.Net, InfoPath 2007 using VSTA, MS SQL Server 2005 and Server Reporting services, BDC, MSCRM.

My Role: Team Lead, Design, development and Deployment.

- **User Management in Sharepoint**

Abstract:
User management is a process to manage the new user creation, request for access for applications like CRM, SharePoint, Issue management, additional access due to change of department or project, removal of access to the application etc. using SharePoint portal. In case of new user HR will initiate the process, the workflow route for Managers approval and then it goes to respective team for giving the access. Once the request is fulfilled the teams will update the status in SharePoint, finally user will get notified with the access details.

Technology used: Sharepoint (MOSS 2007), ASP.NET, C#.Net, sharepoint workflows.

My Role: Team Lead, Design, development and Deployment.

Designation: Senior Analyst Application Development 24/09/2009 to 30/03/2010

- **Employee Diectory custom web part development**

Abstract:
This web part is is for employee directory for corpemployee database. The corpemployee database is external to sharepoint and is on SQL server 2008. This web part helps the users to search for an employee based on different criteria like name, employee number, department, location etc. The employee can update the information using this solution.The web part is tested to work on different authenication modes such as Basic, NTLM and Kerberos Authentication. The webpart is deployable as either a custom application page located at _layouts folder of MOSS 12 hive, as a custom webpart using webusercontrol, and as a pageviwer webpart.

Technology used: Sharepoint (MOSS 2007), C#.Net, ASP.Net,ADO.NET, SQL server 2008.

My Role: Design and development.

- **Maintaing and upgrading FIC sharepoint web sites**

Abstract:
This task involes working on requests for creating new sharepoint websites using sharepoint out of the box features, customizing existing websites using sharepoint designer, creating new pages for existing sites using ASP.NET, Microsoft Office Infopath, creating workflows and master pages, investigating sharepoint site performance issues, administration of sharepoint sites, migration of sites from sharepoint 2003 to MOSS 2007.

Technology used: Sharepoint (MOSS 2007), C#.Net, ASP.Net, Microsoft Office Infopath, Share Point Designer 2007.

My Role: Design and development.

Designation: Associate Consultant 09/12/2004 – 10/07/2009

- **eBirth-eDeath Certificate and eTrade Module for prototype development for eGovernance**

Abstract:
The eGovernance application improves the efficiency and effectiveness in the interaction between governments its citizens as well as other interest groups like NGOs private sector etc. It also aims at boosting internal Government operations to support and stimulate good governance. Birth and Death Registration Module is responsible for Registration of Birth and Death, Issuing the Birth and Death Certificate, manage request for Duplicate birth and Death certificate.The eTrade module is for apply and recive trade permit, it also facilitates the traders to file documentation electronically thus reducing the administrative delay.

Technology used: Sharepoint (MOSS 2007), C#.Net, ASP.Net, Microsoft Office Infopath, AJAX, SQL,Share Point Designer 2007,E-Commerce, Web Parts, Workflows.

- **Presets for Ultrasound Scanning Machine**

Abstract:
The purpose of Presets is to help streamline the workflow of an ultrasound exam while simplifying the user experience with regard to optimizing the image for various exam situations. By providing a mechanism for quickly and consistently setting up the ultrasound machine for a given exam the user can concentrate on the exam.

Technolgy used: C#.Net, Winforms, Windows Services, XML technologies, ADO.Net
Client: Siemens Medical Systems, Mountain view, USA.
Platform: Windows

My Role: Design and development.

- **Workflow Protocol for Ultrasound Scanning Machine**

Abstract:
The Workflow protocol is the method by which the system customizes the workflow for a particular exam or indication.Workflow protocols allows the user to focus on patient care, it automatically guide the operator through the exam process by anticipating and executing exams based on customizable programs, unlimited number of user-defined protocols can be added to the system. By reducing the interaction of the user with the system, workflow protocols lead to the reduction of repetitive stress injuries while at the same time increase the consistency and predictability of the exam content for the physician. Workflow protocols help save up to 75 percent of the keystrokes required in routine fetal exams.

Technolgy used: C#.Net,Winforms,MultiThreading, Serialization, XML technologies
Client: Siemens Medical Systems, Mountain view, USA.
Platform: Windows

My Role: Developer

- **Integration Lead**

Abstract:
Planning and support for Smooth migration to new Medical Imaging platform iteration, Coordination between all multi site development locations, Monitor for updates / interface changes / iteration releases for new Medical Imaging platform provider, extract information through Integration Expert meetings, Pinpoint the build issues, Standardization of development and test environment, Train development team about the Build, packaging environments.

Client: Siemens Medical Systems, Mountain view, USA.

Technolgy used: C#.Net,Rational Clearcase
My Role: Standardization of development and test environment, Train development team about the Build, packaging environments, Pinpoint the build issues.

- **Master Layout for Ultrasound Scanning Machine**

Abstract:

The Master Layout defines the main user interface screen for new ultrasound scanning machine. This screen is presented to users on system startup. The design of the various GUI components, development of Custom Controls, Communication Mechanism employed to communicate between these components are being developed as part of this project.
Languages used: C#.Net, Winforms
Client: Siemens Medical Systems, Mountain view, USA.
Platform: Windows

My Role: Developer

- **Image Reconstruction Software for Ultrasound Scanning Machine**

Abstract:
Image Reconstruction Software is responsible for processing the acoustic information and displays it in the form of an Image for an Ultrasound Scanning Machine. Responsibilities of Image Reconstruction as a module are two fold. One is to act as the Librarian of data and parameters. Two is to program the background hardware to display all acquired data in a time-synchronized manner and apply post processing. Memory management, DSP level hardware interaction, Real Time system performance considerations and efficient data structure usages are the kind of work involved in Image Reconstruction.
Languages used: C, C++
Client: Siemens Medical Systems, Mountain view, USA.
Platform: Windows and INTIME (Real Time Operating System).

My Role: Developer

Designation: Software Engineer - 08/2002 - 04/12/2004

- **Vigilance Control Device**

Abstract:
Vigilance Control Device keeps a check on the alertness of the drivers of AC tap changer locomotives (trains). The Driver must do some activity otherwise the system assumes that the driver is not fit to act (cases of heart attacks have happened). The system has a cycle, which finally leads to application of emergency brakes. This cycle is reset by actions of the driver (captured by i/p card). First he gets an AV alarm and if it is not acknowledged this leads to activation of emergency breaks. The instances of emergency breaks should be logged and should be retrievable.

Languages used: Dynamic C
Client: Indian Railways
Platform: RCM 3100 Microprocessors from Rabbit semiconductors.

My Role: Developer

- **Resolution of problems and Code Review and Modifications of TELPRO series tachograph systems**

Abstract:
Telpro is an Intel 80386 based Speed-Time-Distance recording system with the facility of displaying and storing journey data, which is being used in Indian Railways. The system is

equipped with display of speed data and various parameters on digital LCD display along with analog display to indicate vehicle speed. The data is recorded in compact flash memory card.

In the existing system the known problems like ensure compatibility with all kinds of cfcards, ensure break free link between master and slave, odometer jumping, configuration getting disturbed etc. where resolved during code review.

Languages used: C, C++ Using Paradiam Compiler
Client: Autometers Alliance Ltd.
Platform: Intel 386EX Microprocessor.

My Role: Developer

- **PENDANT (KEYPAD & LCD DISPLAY) MODULE For Controlling Stepper Motors**

Abstract:
A PENDANT is a hand held terminal, which is used to control 4 stepper motors in manual mode and teach mode. The communication with controller is through RS-232. The Pendant module consists of keypad of (4X4) and LCD display of 4 rows by 20 columns. The pendant scans the keyboard for initiating any executed command. On a key press the pendant calls the subroutine depending on the basic setting and the command entered. The corresponding display comes on the LCD and the commands are transferred to controller through serial port.

Languages used: Dynamic C
Client: IGCAR, Kalpakam
Platform: RCM 3100 Microprocessors from Rabbit semiconductors.

My Role: Developer

- **IEC 101 Slave Protocol Implementation**

Abstract:
The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields.

IEC 101 protocol applies to telecontrol equipment and systems with coded bit serial data transmission for monitoring and controlling geographically widespread processes. It defines a telecontrol companion standard that enables interoperability among compatible telecontrol equipment. The defined telecontrol companion standard utilizes standards of the series of documents IEC 870-5(a standard). The specifications of this standard present a functional profile for basic telecontrol tasks. The protocol follows the EPA (Enhanced Performance Architecture) composing of three layers i.e., Physical Layer, Data Link Layer Application Layer. The physical layer is usually a physical medium such as RS-232, RS-485.

Languages used: ANSI C
Client: In-House Product.
Platform: Windows, OS9 (Real Time Operating System)

My Role: Developer

- **Modbus to IEC 68070-5-103 Protocol converter**

Abstract:
One of the common problems faced in industrial communications is in interconnecting devices supporting 'dissimilar' communication protocols. A typical situation is on a SCADA System talking MODBUS TCP/IP to be connected to a device talking IEC 103.

A simple, low-cost solution to such problems is to use a Protocol Converter. A Protocol

Converter is a Communication Gateway, which supports Protocol-1 on one of its port and Protocol-2 on another. These Gateways allow two dissimilar devices to communicate with each other without the need for any change within the devices themselves and thus form an attractive off-the-shelf solution to such communication problems.

The Protocol Converters is designed around a RISC based microprocessor Rabbit RCM 3200 from Rabbit semiconductors running at 44 MHz. This gives immense power for executing the complex protocol stacks embedded into these devices. State-of-the-art Flash Memory Technology permits easy up gradation of the software embedded in them.

Languages used: Dynamic C
Client: In House Product
Platform: RCM 3200 Microprocessors from Rabbit semiconductors
My Role: Developer

- **Modbus TCP/IP to Modbus Serial Protocol Converter with Dialup support for GPRS MODEM.**

Abstract:
This Protocol Converter acts as a gateway for conversion from Modbus over TCP/IP to Modbus over Serial Protocol and vice versa. It has got support to dial to an ISP using GPRS modem using Point-to-Point Protocol (PPP). PPP is basically responsible for encapsulating and carrying network layer datagram across to endpoints of serial connection. A SCADA HMI can remotely control a Modbus slave over serial using this protocol converter.

Languages used: Dynamic C
Client: **ABB** Bangalore
Platform: RCM 3100 Microprocessors from Rabbit semiconductors
My Role: Developer

- **Implementation of Ethernet link in Data Acquisition System for 4M Thermo vacuum Chamber**

Abstract:

The Data Acquisition and Control System for 4M Thermo vacuum Chamber is a control system with the use of which test conditions may be achieved for the thermal testing of satellites. The entire system is based on VME based computer systems and Windows NT based Servers and Workstations. This system is used for Data acquisition of temperature and other digital channels from the Ground Check Out and the Facility groups. The communication link between GCO and Facility to the Gateway of the DAS is through TCP/IP link (Ethernet).

Languages used: Ultra – C
Platform: OS9 (Real Time Operating System)
Client: **ISRO-ISAC,** Bangalore
My Role: Developer