

Tarang Deshpande

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Summary of qualifications

- Computer Systems Consultant - Hardware/OS/Software (6 Years)
- Software Development/Management (15 years)
- Windows 3.x, 9x, NT, 2000, XP and Vista and UNIX (SUNOS, Linux and AIX). Visual Studio .NET, C++ Builder, Delphi, MFC, ATL, COM, TCP/IP, WINSOCK, Embedded Systems, PIC Microcontrollers, MPLAB, FrontPage and HTML, Windows 2000-2003 Server, Exchange 5.5, 2000, 2003 and 2007, DNS, WINS, SMTP, MS-SQL Server 2000 and 2005, ASP, VB-Script, Java Script, C#, ASP.NET

Objective

Developing and managing technology based systems that benefit clients. Interacting with clients and developers to the fulfillment of both.

Professional experience

Inferant Consulting San Jose/Rancho Mirage, CA

Consultant

- As a consultant I had the opportunity to be involved in all aspects of a project. A typical project involved meeting with the client to determine their needs and wishes. I always found myself asking deeper questions to make sure that we were able to provide solutions that truly met our client's expectation and not necessarily what they were able to articulate.
- Depending on the size of the size and type of project (Hardware/Software, Combination) I coordinated with other developers and the client's representative during the development process. For approximately 50% of projects which were smaller I did all of the software development using various development technologies. These technologies included C#, ASP, Visual Studio .Net, C++ Builder, MS-SQL, and others to a lesser degree.
- During the deployment process I would be on-site and be involved in various IT type tasks. This was necessary as many of the projects involved working with various legacy systems that made use of different platforms. Also to make both installation and on-going support easier I would implement VPN access.
- Projects included Payroll Deduction Processing, Warehouse Systems, Scanning and Document Management and Archiving, Custom parameterize web reports from SQL-Server, Mask-less Lithography for chip production, Customize check printing from accounting systems, time tracking, inventory control and job costing.
- During this time I also provided extensive and ongoing IT services for a variety of clients ranging from Fiduciary services, to Military Hotels, to Insurance companies located in California, Nevada, and Hawaii. I was involved in all aspects of IT services including network design, installation, configuration, server setups of Web, SQL and Exchange, configuration of automated backups, and client software installation and maintenance.

CODES Inc. San Jose, CA

Development Engineer

- I was involved in all engineering aspects of the development of a product for the hospitality industry. I oversaw the design of the necessary hardware as well as choosing other hardware that was necessary for the system. I also developed all of the software for the system. This included serial and TCP/IP protocols to communicate with various devices including a distributed system of hardware. The system also involved a server database that was accessed by several clients and had to be synchronized within a small amount of time. Development was first done under Windows 95. Later development was done under Windows NT. InstallShield was used to make the installation CD.
- This system (COVendor) is used with a closed environment such as a hotel. Guests are issued a magnetic stripe card (like a credit card) which they may use to charge goods and services to their room. A third party Property Management System (PMS) maintained authorization and charges. Goods and services that were under the control of COVendor were the guest laundry and vending machines. A central computer located near the laundry facilities and vending

machines was able to communicate with terminals, controllers, and vending machine units through serial ports. However since the PMS system that also had a serial interface was located in another building a TCP/IP bridge from one computer to another was used. Since any terminal or vending machine could be active at any given time each device ran on its own thread including one for the TCP/IP bridge. Coordination of threads became the critical function of the program so that operation of the system would appear to be consistent to any guest(s) using the system.

Rosehill Consulting Group

Danville, CA

Software Engineer

- I modified the software developed by Net-Near-U that is used for Internet kiosks. My modifications made it much easier to customize the user experience by simply modifying HTML files using FrontPage rather than changing the software. I also developed a Jukebox system that was able to use the same underlying software.

Centigram Communications Corp.

San Jose, CA

Software Engineer

- I was involved the design and implementation of utility libraries for use with the company with a group of several engineers. But I also did the installation system for a message system that integrated voice, fax, and email into one system and communicated with a PBX or Telephone switch and a MS-Exchange server. I also created a couple of add-ons to the MS-Exchange system to incorporate data specific to the system. All development was done under Windows NT.
- As a member of the team from the inception of the project I helped design and implement the libraries required for the project. In the second phase using MFC and ATL I wrote two of the modules that became extensions to MS-Exchange and communicated with our server to update and maintain database information about users within the MS-Exchange database. In the third phase I wrote the installation program using InstallShield as well as several MFC programs used during the installation process to handle things such as network connections and alike.

Willows Software. Saratoga, CA

Software Engineer

- I developed library code to emulate the Windows operating system under UNIX, and Mac OS. By using base Windows' API calls that had already been developed I implemented higher Windows' API calls such as the Common Dialogs and Common Controls. Development was first done under Windows itself and then ported to the appropriate OS.

Chancery Software Ltd. Vancouver, BC

Software Engineer

- I developed two core modules, Report Cards and Marks, of a system for School Administration. The software, when on-line communicated with a custom database running on a Novel host. When off-line the data was stored locally and then synchronized when connected back on-line.

Modatech Inc. Vancouver, BC/ London England

Software Engineer

- I developed several small modules of a system for a Sales Force Automation system and then developed a reporting system by enhancing existing libraries. I was then assigned to London England when the company expanded into Europe to be the technical liaison between the two offices as well as the VAR in Europe.

Continuing Education

Developmentor Los Angeles, CA

.NET

- Advanced .NET Development using C#, including SQL integration, Web Development, Advanced debugging techniques, and One-Click Deployment.

Ricoh Silicon Valey Cupertino, CA

eCabinet Certification

- IT certification for eCabinet's as well as the SDK for the eCabinet.

Microchip Mountain View, CA

MPLAB

- IDE for programming Microchip micro-controllers.

InstallShield Corp. Santa Clara, CA

InstallShield

- Using InstallShield 5.0 West to make installation programs.

Developmentor Redondo Beach, CA

COM/ATL

- Using Visual C/C++ to program COM and ATL components.

Developmentor Redondo Beach, CA

MFC

- Using Visual C/C++ to program in MFC.

Source Safe Burnaby, BC

C++

- Programming in C++ for C programmers and Object oriented methods.

Formal Education

Simon Fraser University Burnaby, BC.

Mathematics and Statistics (Computing Concentration)

VCC (Langara) Vancouver, BC.

General Arts and Sciences Associate Degree