Bill Thorne

Summary

An experienced software developer, manager and consultant; conceived, designed and implemented a number of successful software products at his prior employers (IBM and Intelligent Environments).   In addition to his technical and creative abilities, he has a strong commercial sense, experience in marketing roles and strong interpersonal skills.

Inventu Corporation (November 2003-Present)

President

Inventu is a small boutique software and solutions provider specializing in web access to and modernization of legacy IBM, UNIX and DEC/VAX applications. Along with his role as the top decision-maker, Bill also heads-up the software development, implementation and support for both Screensurfer and Inventu Viewer.

WildTower Solutions (November 2001-Present)

Principal Consultant

WildTower Solutions (www.wildtower.com) provides consulting services in the host integration space as well as research and development of software products. For selected opportunities can provide full design on through to implementation of a complete solution.

Current product, Inventu Viewer, was originally branded for Flynet LTD in the U.K. as "Flynet Viewer".   Inventu Viewer is a composite Windows-based product which includes components constructed with Win32 C, C++, .NET c#, Visual Basic, .NET Winforms, ASP.NET, AJAX DHTML and Javascript as well as advanced CSS. The latest Inventu Viewer Studio product features code generation of complete ASP.NET user interfaces whose design is extracted from live IBM mainframe and System i applications.

Teamstudio (August 2001-November 2001)

Director of Screensurfer Development

Managed the transition of the Screensurfer product as it was acquired from iE by Teamstudio. Assisted in realignment of organization and initial integration of Screensurfer with the Teamstudio Express IDE. On completion of the transition, resigned from Teamstudio in November of 2001 to pursue independent consulting.

iE (Intelligent Environments, Inc.) 1989-August 2001

VP of ScreenSurfer Group (1999-2001)

Managed the business development, software development and support organization for the ScreenSurfer division of Intelligent Environments, a multi-national application software tools vendor with headquarters in London, England.

Engaged in a variety of consulting engagements as part of a product development approach that ensured constant improvement based on customer requirements.

Previous Positions with iE (1989-1999)
- Lead designer and developer for ScreenSurfer Web Gateway
- OS/2 Applications Manager (AM) Development Manager
- Business Development Director
- U.S. Systems Engineering Manager

IBM Boston Central Insurance Branch, Boston, Ma. 5/88 - 6/89

Project Manager
Systems Engineering Manager

Market development and high-level executive marketing for insurance agency networks at The New England (Life Insurance company). This included mainframe applications integration and communications implementation planning and design.

During this time received promotion to IBM Systems Engineering Manager for the IBM workstation (PC) and communication (LAN/WAN) specialist System Engineering unit.

IBM Headquarters staff, Cambridge Ma. 3/87-5/88

Insurance Industries Field Support Representative
(Sales Position)

Regional marketing and sales support for the IBM Insurance Industries headquarters division; responsibilities included opportunity management and sales assistance to IBM branch offices in New England, portions of the Midwest and Rocky Mountain states.

IBM Headquarters staff, Princeton, NJ. 1/85 - 3/87

Industry Administrator: Insurance Industries

Responsibilities included market development and product planning in the agency automation arena for large insurance agency networks. Trained as an IBM Product Planner.   Conceived and introduced first PC-based ASCII terminal emulator for the S/36, S/38 and AS/400 sold by IBM as Dial/3X. Consulted with Rochester IBM laboratory in the design and development of the 5208 protocol converter for the S/36, S/38 and AS/400.

IBM Systems Engineer, Burlington, VT. 8/77 - 1/85

General Systems Division
National Accounts Division
National Marketing Division

Technical and business consultant in a variety of industries, including: Insurance (agency networks), Banking (teller and ATM networks), manufacturing (both fabrication and process), transportation, distribution, insurance, education, public sector and recreation. Attended four achievement symposiums and received <u>two IBM presidential awards</u> for technical and sales achievements.

Education

IBM Sales Training for Systems Engineer in General Systems Division, 1978
Bachelor of Science, Business Administration (Management), University of Vermont, 1977.

Product Experience

Inventu Viewer, ScreenSurfer Web-to-Host Gateway, .NET Framework, WinNT/Win2000/95/98, Microsoft IIS, Active Server Pages, DB2, AS/400, MVS, CICS, VM, Oracle, Sybase/SqlServer, Netscape Enterprise Server, ColdFusion.

Programming Languages

C#, SurferScript, C, C++, Visual Basic, HTML, JavaScript, Java, VBScript, CFML, BASIC, Intel Assembler, RPG, COBOL

Technical Achievements

This section is provided as a history of significant projects, developed software and other achievements of note.   While many of these are in the far and distant past, each is considered a contributing factor to Bill's collective product design, implementation and support abilities.

ScreenSurfer Inventor, Architect and Principal Developer (Product)

Recognized the need and designed the ScreenSurfer web-to-host gateway server and all supporting development tools, documentation, website and support site. Invented and implemented the SurferScript language. Invented and implemented the pattern-driven script generation of the Visual Surfer 4GL of ScreenSurfer V3. Implemented the DevCenter and Visual Surfer development interfaces, which implement a drag-and-drop user interface for logic and complex modeling all in DHTML (HTML and JavaScript),

Wells Fargo Canada Small Business Lending Website (Webmaster)

Designed and implemented www.wellsfargocanada.com based on customer specifications, which was an interactive website enabling small businesses and lending partners to apply for a commercial line of credit with Wells Fargo. This site utilized a combination of Netscape Enterprise Server and Screensurfer to provide a dynamic data environment, which connects to the TSYS mainframes through a customized set of 3270 transactions performing online credit applications. Ongoing management of the site is achieved through a VPN to the DotsConnect high-security hosting site.

IE Lead Vendor Consultant – Los Angeles District Attorney's Office (Consulting)

Provided monthly support and guidance to 20-30 Price Waterhouse consultants involved in the construction of an OS/2 Client/Server Case Management system for the Adult and Juvenile departments of this, the largest District Attorney's office in the world (800+ lawyers). As an example of the complexity, the DB2 SQL repository contained 1200 unique SQL statements by the completion of the project. (1995-1997)

IE Lead Vendor Consultant – Texas Highways Transportation Department (Consulting)

Provided direct support and guidance to government and contract employees involved in this automation of the Texas Automobile registration and licensing system. This application was implemented as a complex n-tier Client/Server implementation with servers at each office as well as an active interface to mainframe screens and APPC transactions.

IE Lead Vendor Consultant – Motorola Radio Division ERP System (Consulting)

Provided direct support and guidance to Motorola development staff along with a staff of approximately 60 Anderson Consulting and CSC Partners consultants in the development of a integrated order entry and fulfillment application. This application integrated with Motorola host computers and a worldwide network of OS2 workstations to coordinate the order entry and fulfillment of complex radio systems for a broad spectrum of customers.

IE Lead Vendor Consultant – Fireman's Fund Underwriting Application (Consulting)

Provided direct support and guidance to Fireman's Fund staff in the implementation of an underwriting package implemented using distributed OS/2 workstations connected to a primary mainframe DB2 database. During the implementation the SQL/Workbench was implemented based on customer requirements for high performance/high security DB2 access utilizing static SQL.

IE Lead Vendor Consultant – Vanguard Mutual Funds Call Center (Consulting)

Provided direct support and guidance to Vanguard's development staff in the implementation of a fully featured GUI call center application (starting in 1989) providing mission critical desktop support to the Vanguard customer care call centers. This application was implemented over a matter of months and is still core to the Vanguard call center operations.

SQL/Workbench - DB2 Static SQL Interface (Product)

Produced a graphical database access repository as well as a DB2 statement compiler and execution library that featured the only high-performance access to IBM DB2 for any high-level programming environment. SQL/Workbench was used in many high-profile projects to win business for AM due to the exclusive ability to implement high-performance, production DB2 applications. (1990-1997)

CP Workbench and Libraries (Product)

Produced a repository-based communications interface applications generator, which enabled developers to create and maintain maps of data records and their usage. This provided high-level management of program-to-program communications in complex distributed client/server applications. Also created the AM cross-protocol communications libraries for Named Pipes and APPC, and managed the implementation of CICS-ECI and MQ/Series interfaces. (1991-1998)

HostView Application Generator (Product)

Produced a front-end application generator and maintenance tool, which enabled rapid development of graphical front-ends to screen-based applications accessed using a terminal emulator and the AM Terminal Emulation Services interface. (1991-1995)

Database Libraries (Product)

Implemented database library interfaces for AM, which featured a common verb set for managing connections, statements and interactions. Designed and implemented the native database API mapping layers for Sybase/SQL Server, Oracle and IBM DB2. (1990-1997)

Terminal Emulation Services Interface (Product)

As the first project at iE, designed and managed the implementation of a client/server "screen-scraping" interface for Applications Manager (AM) iE's Client/Server GUI builder for OS/2, which was programmed by another iE staff member. (1989)

Major League Baseball Network (Consulting)

Using Dial/3X and a System/38, IBM automated the statistical and team scoring interface for Major League Baseball (MLB). This system provided each team with two laptops as well as serial interfaces that had connections in the press box in each major league stadium, with Dial/3X and custom scripts providing the interface to the MLB host. Provided consulting services for the implementation and ongoing support when the System/38 was upgraded to an AS/400. (1988-1989)

Dial/3X Terminal Emulator (Product)

As a derivative of the Life Agency research project, the terminal emulator was packaged and subsequently resold by IBM's Rochester Division as Dial/3X. Dial/3X was a PC emulation package that connected to the S/36, S/38 and later, the AS/400 using asynchronous protocols. It included a high-level menu system as well as a scripting language for automating screen interfaces. (1987)

Agency Support Network (Consulting)

While on IBM headquarters staff in the Insurance Industry vertical marketing group, implemented a research project with a large Life Insurance agency. Purpose was to provide agents in the field with personal computers running PC software that connected to the agency System/36 mini-computer to run queries and synchronize files. Provided PC Software for integration, terminal emulation and connection with the System/36 as well as System/36 applications supporting the data replication functionality. (1986)

Distributed Data Entry Network (Consulting)

Lead engineer and programmer for a complex distributed network designed for redundancy and maximum availability using 46 Series/1 mini-computers connected in a multi-node network. This provided way-bill data entry for a less-than-truckload transportation company at 44 locations. Designed and implemented protocol conversion from Honeywell screen protocols to IBM 3270 protocols. Provided performance, diagnostic and network management user interfaces to the customer network developers. **IBM President's Award** (1983)

Accounting Systems Implementations (Pre/Post Sales Support)

Working with IBM packaged software for small businesses, installed and customized solutions. Broad cross-industry experience due to the variety of organizations assisted. Acquired a solid understanding of the elements of software usability through assisting in the conversion from manual to automated systems in novice IT departments. (1979 - 1985)

Banking Network (Pre/Post Sales Support)

Lead Systems Engineer on a IBM distributed banking network that was the largest of its kind at the time of installation. Worked on network diagnostic manuals for administrators, trouble-shooting of production issues and interfacing with IBM development labs. Received **IBM President's award** for technical achievement during first year out of IBM Training. (1979)