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Kenneth P. Riley

Summary:

Programming Languages/APIs	C++, Java, JavaScript, CA Gen, TACL, FTP,.NET, MFC, SQL, XML, SNMP, C, Pascal

Education 1980–1984 University of Texas Austin, TX

B.S. Electrical Computer Engineering G.P.A. 3.0

Experience 2012–2014 Accenture / TMHP

Software Engineer

Member of the Base Enhancement Team doing development for core enhancements and modifications. Primary function was creating and modifying batch servers in CAGen. File IO and reports were built using Canam Report Composer. The interface to the Tandem was handled through Crystal Point and OutsideView with invocations and scheduling through NetBatch.

2004–2009 National Instruments Inc.

Sr. Software Engineer

Member of the Engineering Tools team doing development for LabVIEW Core mostly in C++. The bulk of my time was spent updating the mechanism used to interface between the LabVIEW environment and external libraries for all supported platforms – Windows, Unix, and Mac. The latest project that I worked on was to develop a container interface to allow seamless access to items embedded inside of libraries and executables as zip files instead of an NI proprietary format that had been used initially.

2000–2003 TippingPoint Technologies

Sr. Software Engineer

Worked on the team developing the management system for a network Intrusion Protection Device. My main focus was on developing a java/xml, client/server facility for network topology. The topology facility handled network discovery as well as device component discovery using snmp. This responsibility included learning and understanding the NMS workspace following the models developed by HP Openview and AdventNet Web NMS.

During this time, I developed a template for a multi-threaded server-side facility which provided a common base that could be extended to create facilities for any functions to be added to the system. These facilities were able to start "life" with a multi-threaded architecture that had been tested, which greatly reduced development and test time.

1985–2000   Fisher-Rosemount Systems, Inc.

Engineering Specialist

Worked from 1999-2000 on the Advanced Control team. Projects included DeltaV Inspect which is a client/server application that serves as an advanced process-monitoring system that identifies under-performing loops.

Senior Software Engineer

Worked from 1994-1999 on the Engineering Tools team developing for the DeltaV control system. This system was built on an NT platform using Visual C++. Key responsibilities included development of the SFC (Sequential Function Chart) language editor and the PFC (Procedural Function Chart) batch recipe editor.

Product Engineer

Worked from 1990-1994 continuing development of the control system in production with emphasis on developing alternative solutions to customer problems. In 1993, I developed an internal tool for automating the creation and data population of customer process AutoCad drawings, for which I was awarded a patent: *Patent 5896138: Process Control with Graphical Attribute Interface.*

Software Engineer

Lived in Leicester, England from August, 1989 through July, 1990 working on the development of our next generation configuration system, Envox. Development was done in VMS using C and Sybase SQL. Key responsibilities included writing an interpreter which supported configuration of sequences for each of the seven device logic languages.

Software Engineer

Worked from 1987-1989 providing support for Field Service and customers regarding the Console portion of the control system. Key responsibilities included quoting and developing customer specials and fixing faults in all areas of the released product.

Software Engineer

Worked from 1985-1987 on development of the MiniVista control system in VMS using EPascal. My primary focus was on user interface, printer functions, device drivers, and database access libraries.

Interests   Music, Snow skiing, Water skiing, Cycling, Aerobics, Hiking, Puzzles (Rubik's Cube!!)

Learning new things!! I have been working with Chris Minnick helping with editing a JavaScript book that he has published.

References   Available upon request