

K. Scott Piel

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Professional Goal

- To work in a technically and professionally challenging environment that respects and appreciates team based and individual talent, creativity, inventiveness and problem solving particularly in the scientific, entertainment, on-line services and/or computer-gaming industries. With over twenty years experience, I am seeking opportunities in development environments and fields that challenge my intellectual and technical skills while encouraging growth, inquiry and exploration with an emphasis on concept development and software solution design and engineering.

Personal Summary

- Highly inventive, personable and a creative thinker with over twenty years programming, communications, support and business experience in both the public and private sector offering real-world experience in the determination, design, development and implementation of business processes and computer solutions backed by an understanding of the business of technology along with an above average intelligence, excellent communication and interpersonal skills, and, highly adaptive with a natural talent for quickly grasping new subjects, platforms, programming languages, methodologies and paradigms. An exceptionally fast learner, mechanically inclined, with strong math and science skills.
- Naturally inclined to problem solving and technical innovation. Versed in multiple platforms and languages, "thinks in code" and understands computers and programming from the atomic level to the systems level and finally through to the user interface and functionality with excellent problem solving skills. Designed, developed and marketed many Windows, UNIX and Internet based applications generally recognized as leaders in their respective fields. Web-based experiences include the design, installation, setup and continuing operation and maintenance of three substantial public and private networks and web farms, development of a complete e-commerce site including a pioneering on-line credit card billing system, numerous site and page designs, graphics designs, TCP/IP communications applications and C libraries, C and C++ based applications and CGI scripts, Java applets and applications, and SQL/XML/XSLT based dynamic content delivery.

Work Experience

- Senior Software Engineer, Toptech Systems, Inc. (1998 - 2007)

Developed C, C++ and JAVA based data conversion applications, real-time B2B data exchange systems, fully authenticated TCP/IP point-to-point data communications, and complex JAVA based web applications for the petroleum wholesale and refinery industries in a Unix based RTOS system and subsequently under Linux using both conventional development methods and UML modeling tools. Developed SQL based applications, developer tools, libraries and RPC data transfer utilities. Designed, developed, installed and maintained an internal corporate network supporting in excess of 50 concurrent users in addition to Internet based DNS, e-mail services, web servers, FTP and multi-LAN CISCO router configuration including firewall applications and B2B private circuits. Provided application development, technical support and network communications services to Exxon-Mobil, Shell, Texaco, BP, Citgo, Amoco and most other major petroleum companies.

- Contract Developer -- G&T Conveyor (2005)

Developed SQL based baggage sorting system for Northwest Airlines deployed at the Minneapolis -- St. Paul airport implementing baggage routing, lost baggage recovery, TSA security screening, automated baggage re-routing and baggage queuing interfacing with on-site hardware (conveyor/laser scanners/PLC ladder) systems and networked universal baggage routing electronic systems deploying C / C++ / MSSQL based code in a Windows environment.

- Principal Managing Member & Software Engineer -- MarketBeasts.com LLC (2001 – 2004)

Developing and deploying Internet based real-time data services focusing, initially, in the needs of the retail investment community and seeking to expand into other real-time data intensive services. Responsibilities include the design, development, deployment, support and maintenance of data services, JAVA client applications, C/C++ server side applications, XML and XSLT dynamic data delivery, news and mail services in

addition to the development and management of a public profile business. Business sold to a public company in 2004.

- Lighthouse Engineering (1987 - 1998)

Offered consulting services, C and C++ contract programming, web-site design, development, support and maintenance including some graphics design and a great deal of CGI programming (the backbone of this business). Business sold to a private company in 1998.

- Vice-president R&D, American Computer Enterprises, Inc. (1985 -1987)

Designed & developed a vertical market Wet Inventory Accounting Package, in the C language, for the Petroleum Industry (including automation with Gilbarco and other similar electronic pumps). Clients included Exxon-Mobile and Chevron. Also managed Technical Support Operations, Programming Team, and Quality Control Team. Business closed in 1987.

- Artillery Surveyor, 82nd Airborne Division, US Army (1976 - 1979)

Job duties included 4th order survey operations, team leadership, survey computations, target acquisition and some programming. Honorably discharged at the rank of E-4 on the E-5 promotion list. Completed Army Reserve duties from 1979 through 1982.

Academic Background

Davidson County Community College, Pre-science Transfer
Jamestown Community College, Pre-science Transfer
Tidewater Community College, Computer Science
Old Dominion University, Computer Engineering

Skills

<u>Languages</u>	UML, C, C++, Assembler, Java, JavaScript, HTML, XML, XSLT, SQL / Some experience in Delphi, dBase, Pascal, Fortran, familiarity with C#
<u>Platforms</u>	Unix: SCO, BSDI, FreeBSD, QNX RTOS, Linux, Microsoft: CP/M, MS-DOS, Windows 3.1, 95, 98, XP, NT
<u>Applications</u>	Apache, Stronghold, Photoshop, Acrobat, C++ Builder, JBuilder, Microsoft Visual Studio .NET, Microsoft Office, Quicken, Punch! Design Suite 4000, Visio, BOUML, Macromedia Dreamweaver/Flash MX
<u>Other</u>	Network Administration, Cisco Configuration/Maintenance, Web Site Design/Development/Maintenance, TCP/IP, CGI programming, Graphics Design, UNIX Server Setup/Maintenance, computer hardware installation and configuration