

Tim Beres

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SUMMARY

I possess extraordinary engineering, software architecture, development and executive leadership skills. Having a proven record of success specifying, designing, building and managing all facets of software development lifecycle. Seeking a senior leadership position that will utilize my hands-on technology expertise.

INTEREST AREAS

- Java and C++ object oriented architecture (OOA), design (OOD) and programming (OOP)
- Data warehouse and very large database systems
- Large scale content management / client / server / distributed/peer-to peer systems
- Content management systems
- Graphical user interfaces, including prototyping, front-end clients and component technologies
- Hypertext, hypermedia and Internet systems, including AJAX/Javascript web applications
- Cost effective systems integration and deployment, including Open Source and commodity infrastructures
- Embedded device C3

INDUSTRY EXPERIENCE

- Real estate lending, title processing and searching and mortgage banking
- Construction: Structural engineering and project cost estimation and accounting along with Architectural modeling, BOM and document management
- Mechanical and electrical CAD/CAM 2D and 3D
- Tele-communications: Billing, provisioning, switch development and systems integration
- Hypertext, web site and document management development in the public and private sectors
- Video architectures (playback, CMS, entitlement)
- More: <http://swdesignbuild.com/dt/projects.html>

TECHNICAL SKILLS (see also: <http://swdesignbuild.com/dt/skills.html>)

Operating Systems

- Windows
Vista/XP/2K/NT/9x/3.x
- UNIX (Solaris, HP-UX, AIX, Xenix, SunOS, System V, BSD), Linux (Caldera, Redhat 7-9, RHEL 4-5 Fedora, Suse, Ubuntu)
- VMWare/Parallels virtualization
- MacOS 6-9 and OS X 10.1 - 10.5; OS X Server
- OS/2 2.0, 2.1, Warp
- AMD Firmware, Microcode
- iRMX-86 (real time OS), DOS

Languages

- Java (12 years)
- JavaScript, AJAX, DHTML, CSS
- C++ (10 years)
- C (17 years), XML (8 years)
- XML-DTD, XML-Schema
- FORTRAN; Pascal
- SQL, PAL, VBA, PL-SQL
- BaSH, CSH, SH, AWK, YACC, Lex
- HTML 3/4/5, XHTML, PHP
- OOA/OOD/UML: Together/J, OMT, Rational Rose, RSA

Toolkits

- J2EE, JDK 1.1 – 1.6
- Java3D, Java2D, JDBC, Swing, JNDI, Servlets and JSP (Tomcat 4, 5 and 5.5), RMI
- MFC, Windows SDK
- SAX, DOM, JAXB, Castor, JSON
- Motif, OLIT, X-Windows, XVT DSC, DSC++; Visix,
- MySQL, Oracle, SYBASE, Informix, Ctree, Access/Jet, ODBC,
- Make, ANT, Maven
- Tomcat, Struts, Spring, Hibernate
- I18N: MBCS/UNICODE
- Freemarker/FMPP

PROFESSIONAL EXPERIENCE

NBC Universal (GE) / Senior Architect

2008 - Present

Denver, CO

- Senior member of Platform Services team responsible for: Web service architecture; Alfresco Content Management system implementations; Alfresco customizations; REST based service implementations; user interface customizations; Linux and Windows development platform and build system integration
- Developed and deployed very large CMS implementation for Telemundo authoring and run-time services architecture
- Created Entitlement interoperability specification; architected, designed and delivered solution for entitling video users with their respective MVPD (MSO) video providers. Very large multi-company integration, including all of the cable, satellite and mobile video firms. Olympics content is authenticated and authorized using very large SOA service tier, communicating authentication/authorization information to and from the MVPD hosted systems.
- Reported to Chief Architect for NBC Universal

Dovetail Software, Inc. / President

1992 - Present

Boulder, CO

- Principal of software consulting and contracting firm.
- Involved in all aspects of product development, marketing, sales, consulting, support and training. Consultant to multi-billion dollar businesses, US Government agencies, third party integrators and small local software developers. Portable Javascript/AJAX, Java, C and C++ framework development.
- Designed, developed and delivered complete web applications; web services; embedded web controlled device interfaces; document management, editing and workflow systems; construction and architecture estimating; contract production and catalog management portals; client front end applications; multiple server hosted applications
- Many happy clients, including IBM, Assa Abloy (HID), USAF, Fidelity, Evolving Systems, Qwest, Eos Group, et al; references can be provided.

Scoreboard Pro / VP/Engineering

2006 - Present

Boulder, CO

- Partner/owner and Engineering Vice President for web-based software measurement service.
- Substantially improved, designed, developed and deployed application service from prototype form to a production level toolset. Customers include Oil & Gas; Independent Schools; Humane Shelters; Law Firms.
- Created current V3 version utilizing latest Web 2.0/AJAX technologies.
- Tripled installed user base as a result of successful re-engineering and follow-on development efforts; increased revenue 400%.

Zenodata Corporation, Inc. / Chief Architect and Director of R&D

2000 - 2003

Louisville, CO

- Participated in company founding, management, idea development, research and delivery of key product milestones; worked directly with executive team on IT, R&D and operational strategies. One of three founders to receive key man designation/insurance.
- Specified, architected, managed, designed, developed and deployed very large database and image management system.
- Researched, architected and deployed massive world-wide distributed document workflow, imaging and processing system.
- Led team researching and designing world-wide information technology infrastructure, including: Storage architecture; database management and data partitioning systems; web environment; database, workflow and directory services; operating systems; bandwidth and hosting.

- Successful development of workflow, posting and customer applications resulted in multiple successful financing rounds. Author/inventor of technologies integral to the Zenodata business objectives.

Self Employed / Consultant

1990 - 1992

Boulder, CO

- Self-employed software consultant.
- Project leadership and software engineering, including graphics user interface, large-scale application design and development, database systems in UNIX and DOS environments.
- Proven track record of delivered systems, including: Scientific visualization user interface (OLIT); construction engineering app.
- (Motif); GUI software design and development for management information system for two major releases of a business sales management app.; development of XVT GUI toolkit; enhancement, porting and maintenance of AET product (see below).

Jonas and Erickson Software Technology (Marathon System Services)

1989 - 1990

Senior Programmer/Project Leader

Broomfield, CO

- Responsible for all phases of software life cycle for UNIX/C Advanced Estimating Tools product.
- Accomplished three releases of AET, with successively higher quality and functionality; product deployed to hundreds of very large construction firms.
- Duties included user interface and windowing software; project management and supervision; database development, with design and implementation of reporting and SQL access facilities; advanced UNIX/C programming; project release, configuration, maintenance and porting systems design and development.

Daisy/Cadnetix / Software Engineer

1987 - 1989

Boulder, CO

- Member of the graphics group, reporting to graphics/systems manager.
- Graphics library, application and firmware development responsibilities supporting CAD/CAE/CAM applications.
- Project lead duties, including new release on Motorola UNIX kernel graphics sub-system.
- Other responsibilities and experience with: X11, OPEN LOOK and SunView window systems development; C language graphics libraries design and development; graphics accelerator microcode; PC and UNIX kernel graphics in C and assembly; test program, graphics database, benchmarking and porting of OEM platforms.

Hamilton/Avnet / Advanced Technical Specialist

1987 - 1987

Winter Park, FL

- Responsible for field applications engineering and technical support duties.
- Certified as Advanced Technical Specialist by Intel.
- Extensive involvement with: Requirements analysis; product demos/seminars; systems configuration and installation; sales force management on technical issues; post-sales debugging support.

Tech-Source Laboratories / Software Engineer

1984 - 1987

Altamonte Springs, FL

- Varied and diverse graphics, UNIX/iRMX kernel, C language and firmware development due to startup nature of firm. Extensive experience with high performance graphics system, device driver, library and application development.
- Designed, coded and tested device drivers for graphic, disk drive, tape and terminal devices under UNIX System V, BSD and Intel iRMX real-time systems.

EDUCATION

Bachelor of Science: (Computer Science; Mathematics and Finance Minors)

1980 - 1984

Western Michigan University - Kalamazoo, MI

INTEREST AND ACTIVITIES

- Building things: Software, woodworking, cabins, modeling, gardens and children.
- Sports: Softball, skiing, volleyball, basketball, tennis and hiking.
- Seven years YMCA and club level soccer coach.