

Greg Edwards

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SENIOR SOFTWARE ENGINEER

Comprehensive results-oriented Software Engineer with expert level experience in all SDLC phases (initiation, analysis, design, development, testing and deployment). Exceptional problem solving and algorithm development skills with a consistent track record designing complex extremely efficient high quality systems. Team player with excellent leadership and communications skills and a proven track record of building strong relationships. Expert systems designer and developer in Client/Server, concurrent, distributed, real-time and embedded environments.

Platforms: Linux, Solaris/SunOS, HP-UX, AT&T System V, AiX, Xenix, RTOS, VMS, Windows

Programming: C, C++, Tcl/Tk, Assembler, Lisp, Pascal, Fortran, Basic, bash/ksh/csh/sh, SQL, Pro*C, ESQL, XHTML, CSS, PHP, SCCS/ CVS/ Subversion, make, SDLC, Agile, Iterative Development, Waterfall, OOD

Databases: MySQL, Oracle, Informix

Environments: Client/Server, Internet, Network, SOA, Firmware, Interactive Voice Response, Desktop

Protocols: TCP/IP, CORBA, RPC, HDLC, X.25, ISDN, TL1, RS232, HTTP, Kermit

Other: Open Source, VMware, NFS, NIS, DNS, Apache, Samba, Shorewall, Sendmail, Spamassassin, Cryus, GForge, MediaWiki, phpBB, MS Office, OpenOffice, MS Project, Borland Turbo IDE, MS Visual IDE

Hardware: MC68000/08/10/20, MC68302, Intel 8086/80286, Intel 8031, Siemens 82520/2050, DSP56001, Signetics SCN68681, CMOS Timekeeper/RAM, FLASH Memory

Additional Knowledge: Java, JavaScript, NetBeans, Tomcat, Qt4, Qt Designer, C#, .Net, Visual Studio 2008

EDUCATION AND CERTIFICATIONS

- Project Management Professional, Project Management Institute, Newtown Square, PA
- Bachelor of Science, Computer Science, California State University Stanislaus, Turlock, CA

WORK HISTORY

2007 to 2009: Independent Consultant, Dallas, TX

Sr Software Engineer, Project Manager

- Directed and managed Open Source Initiative project. Designed and developed Open Source resource website. The website provides information, education, news, discussion forums and a project hosting CDE (Collaborative Development Environment). *Primary Technologies: Linux, PHP, XHTML, CSS, Subversion, CVS, MySQL, Apache, GForge, phpBB, MediaWiki, Sendmail, Mailman*
- Directed and managed Web 2.0 Social Network Website development project. Supervised 5 member development team. Managed project team of 18 stakeholders from 4 corporate entities and 4 internal departments. Reported to Executive Management and client CEO. *Primary Technologies: Linux, Apache, Subversion*

2000 to 2007: New Age Software, Coppell, TX

Chief Architect, Sr Software Engineer, Project Manager

- Proprietary load-balanced Service Oriented Architecture dynamically scalable server farm. The distributed processing solution balances the server farm load at the service level, not through replication. Distributed

processes register supported services through a master server which manages active client service requests and a ready pools of idle resources. The SOA supports N-Tiered web applications through a request for service paradigm utilizing CORBA. Service request load balancing and ready pool distribution is managed by the master server utilizing high-water/low-water threshold and resource efficiency heuristics. Server farm resources are independently configurable through satellite servers and dynamically register services with the master server. Designed and developed dynamic web page applications. *Primary Technologies: Linux, C, XHTML, CSS, SOA, CORBA, HTTP, CGI, Apache, MySQL*

- Automated Point of Sale (POS) File Management System (FMS) with a proprietary Extract, Translate, and Load (ETL) process. Concurrent tunable 3 stage solution with dynamic resource prioritization based on demand and system load. Dynamically managed task pools bounded by high-water/low-water thresholds within both the staged and overall system resource limits insures maximum utilization of available resources. Data extraction and load processes utilize dynamic content mapping dependent on the origin of the POS data presented. IPC and shared memory resources maximize performance and efficiency for process command and control, cached content maps and data set processing. *Primary Technologies: Solaris, C, Pro*C, SQL, Oracle*
- Re-engineered enterprise critical Call Center Management System. Turn-key scheduled event solution incorporating a Three-tiered design model utilizing a common code base and shared libraries. Developed data model defining relationships between 125 tables and content usage. Designed and developed 26 server side managed processes to provide order management, call center work distribution, results collection, results reporting and automated database normalization. Unix and Windows workstation user interfaces provide system configuration management and status reporting tools. Directed and manged project team representing 8 business units with over 30 stakeholders. *Primary Technologies: HP-UX, Windows, C, Curses, ESQL, SQL, Informix, Erwin*

Previous: Various, Dallas, TX, San Jose, CA

System Architect, Sr Software Engineer, Firmware Engineer, Project Manager

- Proprietary POSIX compliant Real-Time Operating System kernel to support Telecommunications OEM multi-card Special Services test equipment. The bootstrapped kernel, stored in ROM, executes application programs stored in FLASH with configuration data and system status reports stored in CMOS. The system includes a Kermit implementation to support remote downloads and FLASH programming for application upgrades. A console interface provides remote access for command and control, configuration, system monitoring and status reporting. *Primary Technologies: RTOS, MC6808, MC68302, C, Assembler, FLASH Memory, SCN68681, CMOS, Kermit, RS-232*
- Designed and developed embedded Real-Time Switch Signaling and Office Automation software for Telecommunications OEM Special Services test equipment. *Primary Technologies: RTOS, C, DSP56001*
- Designed and developed embedded HDLC (LAPB/LPAD) level 2 and level 3 drivers for ACD Digital Switch equipment inter-system communications and OEM Communications equipment. *Primary Technologies: RTOS, VMS, C, Pascal, X.25, HDLC, MC68000/10/20, Siemens 82520/2050*
- Designed and developed proprietary TCP/IP Stack communications controller. *Primary Technologies: AiX, C, IP, TCP, UDP*
- Directed and managed projects supporting OEM Engineering group. Designed and developed an ISO-9001 compliant OEM engineering design document archival system. Designed and developed OEM CAD Engineering design data extraction tools. *Primary Technologies: Solaris, SunOS, Windows, C, C++, Tcl/TK, Lisp, Interleaf, Pro*C, SQL, Oracle*
- Directed and managed Interactive Voice Response application projects. Designed and developed real-time IVR order entry system for gas station delivery scheduling. Designed and developed IVR application framework for OEM equipment products. *Primary Techniques: AT&T System V, Uniplus (RTOS), C, Assembler, RDBMS, Networking*