

SENIOR SOFTWARE ENGINEER

Highly motivated, results-driven professional with over **9 years** of visible achievements in leading-edge **information technologies** and **telecommunications**. Possess a unique blend of superior technical skills and understanding of business. Natural leader with strong entrepreneurial spirit and a special talent for transitioning **strategy** into **action** and achievement. Proven ability to lead multiple projects from conception through implementation, establishing and monitoring goals and budgets to achieve on-time delivery of services. Commitment to teamwork is demonstrated by the ability **to motivate others** to perform at their best. Reliable and customer-focused with superior **problem solving skills**.

CAREER HIGHLIGHTS & SELECTED ACHIEVEMENTS

Senior Software Engineer, O1 Communications

2003-present

Selected to serve as a technical specialist on the design, architecture, and development of software systems and software products. Challenges included analyzing, evaluating, and installing **telecommunication systems** and equipment; developing detailed program specifications; communicating project goals, plans, and status to supervisors and peers; and hiring, evaluating, training, and supervising the technology team.

- ◆ Led team of engineers to design, develop and support a **softswitch** providing **SIP** (RFC 3261-3265) to **ISUP** (ANSI T1.113) gateway service to a statewide VoIP network written in **C**. Supported **TCAP** (ANSI T1.114) and **ENUM** (RFC 3761) for IN infrastructure.
- ◆ Led team of engineers to design, develop and support a **RADIUS** (RFC 2865-2866) application capable of handling more than 10 million calls per day.
- ◆ Instrumental in the design and implementation of a data driven **MVC** (Model View Controller) architecture for company core software application utilizing proven patterns and best practices.

Senior Software Engineer, Project Arena

2001-2003

Selected to serve as a technical specialist on the design, architecture, development and maintenance of software systems and software projects. Challenges included analyzing, evaluating, and installing **information technology systems** and equipment; developing detailed program specifications; communicating project goals, plans, and status to supervisors and peers; and hiring, evaluating, training, and supervising the technology team.

- ◆ Led team of engineers to develop and support core software of over 300,000 lines of code using the eXtreme Programming methodology for a **Project Portfolio Management** software application.
- ◆ Designed and developed an **EAI** (Enterprise Application Integration) platform called Link Arena based around abstract adapters communicating via XML transactions through a Java Message Queue allowing real time many to many data interfacing.
- ◆ Instrumental in the design and implementation of a data driven **MVC** (Model View Controller) architecture for company core software application utilizing proven patterns and best practices.

Senior Software Engineer, eWindowshop.com

2000-2001

Recruited to manage the design and implementation of all application services and information technology systems for this provider of eCommerce services.

- ◆ Lead team of 11 engineers and developed core software of over 90,000 lines of code in under four months and on budget using the eXtreme Programming methodology for an **e-commerce** application.
- ◆ Lead the development of all Information Systems for the purpose of Customer Relationship Management, accounts receivables, lead tracking, human resource management, marketing and finance reporting, and trouble ticketing.
- ◆ Designed, implemented and managed complex cluster of web, email, DNS and Oracle servers capable of scaling without limitation utilizing Sun servers, Cisco routers, switches, local directors and firewalls, and NetApp file servers.

Vice President of Technology, The Grid

1996-1999

Orchestrated the start-up of this Internet Service Provider; eventually sold to OneMain.com. Key responsibilities included developing and managing all **network systems** and **information systems**; and managing a team of engineers.

- ◆ Developed core intranet with over 80,000 lines of code providing a web-based Customer Relationship Management, accounts receivables, lead tracking, human resource management, marketing and finance reporting, and trouble ticketing to the company.
- ◆ Designed, implemented and managed a complex statewide DS3 network with multiple BGP peers, digital modem pool of over 5000 modems and server clusters of web, email, and DNS utilizing Sun servers, Cisco routers, switches, and firewalls.
- ◆ Instrumental in planning the integration of the 20 acquired ISPs and 750,000 dial-up subscribers into a single network infrastructure yielding an aggregate cost of access revenue at 28% of total revenues.

TECHNICAL SKILLS & TRAINING

BS candidate, Computer Engineering, California Polytechnic State University,

Programming

Application Programming: C/C++, Java, XML, Perl, XML-RPC, PL/SQL, HTML

Application Frameworks: J2EE (JDBC, JNDI, RMI, EJBs, Servlets and JSPs, JMS, Java XML), Struts, MVC

Development: subversion, CVS, gcc, Makefile, autotools, RPM packaging, ant

Telecommunications

Protocols: Frame Relay, DS1 to OC-48, PRI (Q.931), SS7 (MTP, TCAP, ISUP), SIP, H.323, IPDC, ENUM

Vendor APIs: Excel SwitchKit, Ulticom Signalware, Brooktrout TDAPI

Hardware

Lucent (Ascend TNT, Ascend APX, Ascend ASG, Livingston Portmaster)

Eastern Research (DNX-88 DACS), Excel (CSP 2000)

Sun (Ultra [2,5,220,250,420,450], StorEdge [A1000, D1000], DLT)

NetApp (Filer 760), ADC (IDSU, AAC-2, DSU/CSU shelf)

Cisco (switches [5000, 6500], routers [2500, 3600, 4000, 7500] firewall [pix],
content [cache engine, local director])

3com (router [netbuilder], access concentrator [Hiper DSP/ARC])

System Administration

SIP Servers (Asterisk, SER), J2EE Servers (Tomcat, JBoss, iPlanet), HTTP (Apache, ApacheSSL,

Netscape/Iplanet), SMTP (Qmail, Sendmail), POP3 (qpopper w/LDAP), LDAP (OpenLDAP, Iplanet Directory Server), DNS (Bind, tinyDNS), FTP (ncftpd, wu-ftpd), NNTP (typhoon), JMS (Iplanet IMQ),

PAM, Radius, SSH, Samba, MRTG

Database Administration

Oracle 8.0.x, 8i, 9i, 10g, Advanced Replication, Backup & Recovery,

MySQL, Postgresql, TOAD, Quest Schema Manager

Operating Systems

Linux (RedHat, Debian), Solaris 2.x, HP-UX, Irix,

Windows XP/NT/2000