

## SUMMARY OF QUALIFICATIONS

### DATA ARCHITECT ■ SENIOR SOFTWARE ENGINEER

Over 18 years' experience in developing data solutions, engineering software applications, and utilization of data modeling to design data architecture for Fortune 1000 companies and government organizations. Senior Team Lead with strong project management background, able to drive forward progress and achieve objectives within time and budget parameters. Rapid, career progression due to breadth of knowledge and abilities. Natural teacher, able to achieve knowledge transfer, mentoring and training of both technical groups and business units.

### Microsoft Certified Professional ■ IBM Certified Solutions Expert

## TECHNICAL EXPERTISE

Oracle 8i, 9i	JavaScript	Windows XP
DB2 7.1, 8.1	JDeveloper	MS Visual SourceSafe
Perl	JSP	Visual Café
C/C++	XML	Eclipse
SQL Server 2000	ASP	Apache
PL/SQL	ADO	HTTP
Transact SQL	UML	JDBC
CORBA	Vignette	TCP/IP
Oracle 9i Application Server	Palm OS	RMAN
Java	Linux	Rational Rose
J2EE	UNIX	LDAP
J2ME	Solaris	CGI

## CAREER EXPERIENCE

### PRINCIPAL CONSULTANT

Data Integrity Systems, Inc. ■ Los Angeles, California ■ 2001 to 2003  
*(Information technology services company engaged in application development, network design, systems integration and wireless applications/services. \$17 million in sales and 168 employees.)*

Recruited to serve as lead database development expert and architect working with Oracle, DB2, SQL Server, LDAP, and Java technologies in development environment. Managed multiple projects simultaneously often involving divergent technologies and strategies. Developed data integration for diverse systems. Applied breadth of knowledge and ability to all data-related development tasks in support of 12 software developers engaged in distributed web applications development.

#### Impacts made:

- Created custom databases for individual developers to create unique test environment for development work, providing greater flexibility in design of schema, structures, and architecture. Reverse-engineered database linkage to provide database version compatibility.
- Architected proprietary data synchronization for integration of PDA data with corporate backend systems across multiple versions of Palm OS (3.5, 4.0).
- Developed XML Document Repository system for Sales Force Automation application that provided secure access via Digital Signature technology, and native XML database storage and access.

- **Rapidly passed IBM and Microsoft Certifications upon hire to bring Data Integrity into contractual compliance regarding Microsoft and IBM partnership requirements.**

*Specific Technologies Utilized: Oracle 8i, 9i; DB2 7.1, 8.1; SQL Server 2000; LDAP; Java; Palm OS (3.5, 4.0); XML; Native XML Databases (eXist, Xindice); Solaris; Windows XP*

## PRINCIPAL CONSULTANT

Linked Values ▪ San Diego, California ▪ 2000 to 2001

*(Software consulting firm established in 1999 focused on IT solutions for the wireless industry.)*

Tasked by Gardner Research OnLine to design and develop Online Product Survey System using Perl, ASP on Microsoft IIS, and Oracle. Implemented business logic using Oracle 8.1.6 and PL/SQL. Conducted project management, systems modeling, design/architecture, and web development. Performed architecture and systems design/development across all stages of software life cycle development.

### Impacts made:

- **Shouldered duties of acting CTO during executive search period for replacement; managed personnel and worked with executive management on strategic technology issues.**

*Specific Technologies Utilized: ASP; Microsoft IIS; Perl; Oracle 8.1.6 PL/SQL*

## SENIOR SOFTWARE ENGINEER – GENOMICS

Human Science Technology ▪ San Diego, California ▪ 1999 to 2000

*(Private, genomics-based research and development company.)*

Supported genetic research scientists with data modeling, supportive application development testing and Oracle Database Administration according to ever-changing specifications demanded by evolving research techniques. Fulfilled multiple roles including data analyst, DBA, lead software engineer and instructor. Led seminars in Perl programming, software engineering, Oracle analysis/design, and Java development.

### Impacts made:

- **Implemented first ever Recovery Manager utilization for backup of database; implemented necessary cron job and monitored directory.**
- **Rapidly gained command of scientific jargon and concepts in order to effectively design data modeling to fit research needs of the Bioinformatics research group.**

*Specific Technologies Utilized: Oracle 8, 8i; JavaScript; Perl; CGI; Java*

## SENIOR SOFTWARE ENGINEER

ABC, Inc. ▪ San Francisco, California ▪ 1997 to 1999

*(Government contractor providing software solution in support of national security and international initiatives.)*

Teamed with seven engineers in design/development of data translator in Java for US Army Warfighting Lab simulation application—Downtown Warrior. Designed integration system to bring together individual simulations/scenarios on different simulators into central data analysis control system. Worked with plethora of government agencies and entities including Lawrence Livermore National Laboratory, Stanford Research Institute, and Marine Warfighting College.

### Impact made:

- **Developed Perl program to rapidly generate Java code for design of simulated battlefield, saving weeks of man hours of coding and contributing significantly to forward project progress.**

*Specific Technologies Utilized: Java; Perl; CORBA; Interface Definition Language (IDL); MS Visual SourceSafe; Windows NT*

## SENIOR MEMBER – TECHNICAL STAFF

Computer Sciences Corporation ▪ Sacramento, California ▪ 1988 to 1997  
(Public, information services provider for global market.)

Progressively promoted, working consistently in data management and development projects. Participated and led multiple projects involving data modeling, data extraction, data migration, interface development, and database development for Fortune 500 companies and large government organizations. Managed teams, projects, and tasks for successful completion.  
*Specific Technologies Utilized: Oracle 7.3; Oracle Designer; Oracle Discoverer; BRIO; MS Excel; MS Access; Perl; FOCUS*

## ADJUNCT FACULTY MEMBER / INSTRUCTOR

University of California San Diego, College of Extended Studies, Graphics and Digital Media Department ▪ 1996 to Present

Taught "Introduction to Perl and Web Programming" to one class per semester/quarter comprised of professionals extending their professional development.

*Early career details available upon interview.*

## E D U C A T I O N A N D T R A I N I N G

### Bachelor of Science – Computer Science

University of California, San Diego, California ▪ Graduated *summa cum laude*

### Bachelor of Arts – Social Work

San Diego State University, San Diego, California ▪ Graduated *magna cum laude*

Microsoft Certified Professional ▪ Certified IBM Solution Provider

*Graduate coursework includes:*

Analysis of Algorithms, Software Engineering, Advanced Software Engineering



## A F F I L I A T I O N S

Institute of Electrical and Electronics Engineers (IEEE) ▪ Association for Computing Machinery (ACM)

Toastmasters – Member since 1987, held multiple offices