

Lynne C. Thieme

Experience

1998-current
Principal

LCT Consulting
www.lctgroup.com

Menlo Park, CA

Independent consultant, available for research and development, project management, server and database programming, Internet site development, and technical publications including marketing white papers, positioning presentations and training materials. Major accomplishments include Oracle technical alliance management for Network Appliance, Oracle recovery and business continuance configuration for a variety of clients including Yahoo!, an automated warranty claims analysis system for Ford, collaborative supply chain research for IBM, and volunteer website design and programming for several non-profit organizations.

1997–2000

Vitria Technology

Sunnyvale, CA

Office of the CTO

Managed all of Vitria's research grant activities including a \$2M individual company award for *Process Integration Using Model-Driven Engines*, innovative software to manage supply chain integration processes, <http://jazz.nist.gov/atpcf/prjbriefs/prjbrief.cfm?ProjectNumber=97-05-0011> and represented Vitria on the National Institute of Standards, Advanced Technology Program, Extended Enterprise Coalition for Integrated Collaborative Manufacturing Systems, a 3 yr., \$30M project responsible for developing a new framework for people, applications and software agents to collaborate on supply chain logistics, resulting in faster delivery of products to customers, reduction of costly inventories, and an overall increase of U.S. manufacturers' competitiveness in the global marketplace, <http://jazz.nist.gov/atpcf/prjbriefs/prjbrief.cfm?ProjectNumber=97-05-0020>. Also responsible for authoring and co-authoring numerous technical white papers.

Other responsibilities included managing Vitria's Connector development group, a team of 6 people responsible for the planning, design, development, test, maintenance, documentation, training, and support of the data integration components of Vitria's BusinessWare application integration product. Also responsible for planning, coordinating and shipping the beta and production release of Vitria's Realtime Analyzer product, the realtime analysis component of BusinessWare, analyzing and responding to point-in-time information rather than after-the-fact, stored information. Coordinated much of Vitria's early recruiting and staffing, including engineering, professional services, and MIS.

1990–1996

Oracle Corporation

Redwood Shores, CA

Manager and Principal Developer

Managed the Database Availability and Recovery group, a team of 6-10 people responsible for the architecture, planning, design, development, test, and maintenance of the disk file and recovery components of the Oracle RDBMS product. Responsible for the hiring and dynamics of the team, the releases of recovery and file component features of the Oracle7 and Oracle8 products, all interaction with internal groups such as porting, consulting, and sales, and external interactions with respect to customer critical situations and trends and directions presentations

for these components. Individual Contributor responsibilities include the standby database disaster recovery feature, the tablespace point-in-time recovery feature and the resizeable datafiles feature.

Managed the UNIX-MIPS Products group, a team of 5-14 people and coordinated Oracle product releases, software/hardware maintenance, vendor relationships and marketing activities for four UNIX product lines. Major team accomplishments included sixteen bundled release sets released on or ahead of schedule, monthly patch tapes closing bugs within worldwide support guidelines, functional and design specifications for the VLDB for UNIX project, white papers on performance tuning and installing Oracle on UNIX platforms, and development of UNIX specific features for the Oracle7 Installer product.

Corporate responsibilities included:

- Represented Oracle to UNIX International working groups.
- Managed the Oracle8 theme of low-end databases.
- Represented the Data Storage Technology division on various working groups to facilitate project management, division policies and software engineering practices.
- Contributed to programs related to sponsoring technical women and diversity within Oracle.

1988–1990

MAD Intelligent Systems

San Jose, CA

Project Lead and Senior Software Engineer

Led the Database Reasoning Products group. Responsible for three on-time releases of the Smart Data System, a deductive database product. Engineering responsibilities included coordinating the lead design, development, and integration of the Optimizing Rule Compiler, MAD's proprietary reasoning engine. Development was centered in San Jose, CA and Munich, Germany.

Other responsibilities included managing the technical relationship between MAD's joint venture partner in Yokohama, Japan, and the product development group in San Jose.

1982–1988

IBM Corporation

San Jose, CA

Senior Software Engineer

Assigned to the development team of IBM's knowledge-based systems product, KBS. Responsible for developing code that integrated KBS with existing IBM database management systems. Major accomplishments included two patents and a prototype of a standard AI planning problem coded in Lisp as an IMS/VS application program.

Acted as the General Products Division IMS/VS representative for all Fast Path (an extension of IMS DB/DC) system knowledge and all external IMS/VS requirements. Major accomplishments included Fast Path solutions to several customers requiring high availability, high performance and high capacity database management systems; GUIDE/SHARE presentations on various concerns to IMS/VS customers; and development of a system for the organization, usage and maintenance of all IMS/VS requirements.

Participated as the Fast Path development representative in a group of research scientists and IMS/VS developers selected to re-architect IMS/VS. Major accomplishments included the design of a dynamic load balancing algorithm for transaction processing.

Assigned to the Fast Path development team, responsible for one-third of the Fast Path code (approximately 100,000 lines of PLS and 370 Assembler code) with emphasis on the application program to database interface and the transaction queuing mechanism. Major accomplishments included the design of a transaction queuing algorithm for n -way processors without the use of standard serialization techniques, and the conversion of the Fast Path system from a 24-bit to 32-bit architecture scheme exploiting the MVS/XA architecture.

Patents and Publications

2004-2006 - Thieme, Lynne C., Editor and monthly contributor under the byline of *Internet Nut* to the **Delta Gamma Tech Aware** National Newsletter.

1999 - Thieme, Lynne C. and Dale Skeen, **Process Integration Using Model-Driven Engines**, NIST ATP TIMA 97 Project Closeout Report.

1999 - Thieme, Lynne C., et. al., **Adaptive Self-Organizing Collaborative Supply Networks**, A Single Company Proposal for NIST ATP Competition 99-01.

1996 - Thieme, Lynne C. and William H. Bridge, **Standby Database Feature of ORACLE7 version 7.3**, Proceedings of EOUG 1996 and Proceedings of IOUW 1995.

1992 - Thieme, L.C., et. al., **Data Library System**, U.S. and European Patent.

1992 - Thieme, L.C., **Requirements for the Software Installation / Distribution Application**, UNIX International System Management Working Group.

1991 - Thieme, Lynne C. and S. Khoshafian, **Declarative Reasoning Extensions to Commercial SQL Database Management Systems**, Proceedings of IEEE COMPCON 1991.

1989 - Thieme, L.C., et. al., **Method for Sharing Common Values Implicitly Among Communicating Generative Objects**, U.S. and European Patent.

1988 - Thieme, Lynne C. and Janet L. Morton, **The Key to Commercial Success for Symbolic Computing - Integrating Artificial Intelligence and Database Technologies**, AI Expert Magazine, April 1988.

Skills Summary

ORACLE, MySQL, MS SQL Server, MS Access, Sybase, Informix, IMS/VS, DB2 and TransBase database management systems.

Microsoft Windows, UNIX (Sun Solaris, Sun O/S, SGI IRIX, HP -UX, MIPS RISC/os, Sequent DYNIX/ptx), MVS and VM operating systems.

C, HTML, PHP, JavaScript, Perl, Java, C++, Lisp, 370 Assembler, Pascal, Fortran and PLS programming languages.

Proficient in Adobe Photoshop, Illustrator, GoLive, InDesign & FrameMaker, Microsoft Word, Excel & PowerPoint desktop software applications.

Education

2003–2005 San Jose State University San Jose, CA
California Multiple Subject/CLAD Teaching Credentials with Middle School Emphasis.

1986–1988 Stanford University Stanford, CA
Graduate Studies in Computer Science / Artificial Intelligence.

1978–1982 University of Illinois Urbana-Champaign, IL
B.S. Computer Science / Mathematics.

**Teaching
Experience**

8/02-current
**Co-Founder
Principal Educator**

Action Bits for Kids!
www.actionibits.org

Menlo Park, CA
Grades K-8

Designed and implemented online, interactive, learning curriculum on a variety of computer platforms. Taught classes using popular software applications ranging from beginning programming to writing and presentation skills to web design and Internet safety. Action Bits classes are taught in classrooms at local schools and community recreation facilities.

1/05-6/05
Student Teacher

Hillview Middle School
www.mpcsd.org/Hillview

Menlo Park, CA
Grades 6 & 8

Taught 6th grade mathematics and assisted with 8th grade algebra instruction. Responsible for daily lesson planning, direct and cooperative instruction, assessment and records, coordination with staff, and parent communication. Taught in an inclusive classroom with students grouped homogeneously by ability with accommodations made for ELL and resource students.

8/04-12/04
Student Teacher

Rogers Middle School
www.moreland.k12.ca.us/Rogers

San Jose, CA
Grade 7

Taught 7th grade reading, language arts and social studies. Responsible for weekly planning and instruction, small group reading instruction, district ROLA testing, and technology curriculum integration. Taught in an inclusive, heterogeneous classroom with accommodations made for ELL and resource students.

8/00-6/01
Computer Teacher

Woodland School
www.woodland-school.org

Portola Valley, CA
Grades K-8

Taught computers and technology classes for grades K-8. Developed an integrated curriculum covering California technology standards for K-8. Developed an extended curriculum that included programming in Perl for grades 7-8, programming in HTML and website design for grades 5-8, and Internet scavenger hunts based on Social Studies content standards for grades 2-8. Also responsible for direct instruction, assessment and records, lab maintenance and technical support, and the school website.