

KEITH M. SWARTZ

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OBJECTIVE

Strategic leadership position in enterprise software architecture for a high-growth, innovative organization, focusing on research, adoption, and integration of new technologies.

TECHNICAL SKILLS

Proficient in enterprise and large systems topologies, database design (primarily with Oracle), multi-tier computing and component strategies, application integration, web application design and usability engineering.

Programming Languages: Java, JavaScript, XML/XSLT, DHTML/DOM, CSS, Perl, PHP, SQL, Oracle PL/SQL, C, UNIX Shell Scripting (ksh/csh). Able to adopt most anything else quickly and easily.

EXPERIENCE

1993-present Oracle Corporation Redwood Shores, CA
Senior Architect, Applications Technology Group (5/1999-present)

- Investigate new and acquired technologies and integrate with existing and/or evolving product offerings and development infrastructure in E-Business Suite.
 - Lead architects and guide senior management throughout company in determining development strategy and identifying product enhancements necessary for continued success of E-Business Suite.
 - Evaluate internal and third-party products, focusing on compatibility, portability, internationalization, security, accessibility, high availability, performance, licensing, and other factors.
- Formulated two-year plan for seamless migration of disparate middle-tier technologies onto a consolidated J2EE platform centered around Oracle Application Server.
- Founded and led 20+ member committee to identify and resolve issues related to Java architecture and impact on divisional infrastructure.
 - Coordinated architects representing more than 180 product teams internationally on Java and HTML strategies, focusing on server-side and multi-tier computing models.
 - Developed infrastructure for granular patching of Java code (patent pending), reducing patch sizes by more than 99%, and reducing time and effort for building and delivering patches accordingly.
- Sole representative for division of more than 6000 members on corporate steering committee for standardization and participation in Sun's Java Community Process.
- Member of division-wide architectural committee, charged with design and review of functional specifications, data and object models, transaction flows, and user interface requirements for numerous functional aspects of suite, such as timezone support, Unicode support, and system management.
- Initiated formal relationship between Microsoft and Oracle for conducting early testing of E-Business software on Microsoft Whistler (Windows Server 2003).

Product Manager, Applications Technology Group (5/1997-5/1999)

- Determined and executed strategy for evolution of installation and maintenance product components in Oracle Applications software suite.
- Derived and communicated vision for componentization and application integration strategies for entire division; Applications division representative in corporate-wide architecture review board.
- Crafted design and implementation plan for "One Hour Install" project: reinvented decade-old design by adopting new technologies and processes to reduce installation requirements from a team of consultants over one week to a single IT technician in under an hour.
- Established and documented standards for defining, developing, deploying, migrating to, and maintaining products based on multi-tier architecture.
- Authored installation and architecture manuals for end users, training documentation, and web-based information repository.

Senior Technical Specialist/Senior Architect, Electronic Support (8/1996-4/1997)

- Senior member of architecture team, responsible for design of next-generation of web-based internal and external support systems (call tracking, content repositories, and bug tracking).
- Designed architecture for globally distributed web-based support and global license tracking system, using database publishing model and full internationalization support.
- Re-designed, developed, and led usability review of Certify application, an interactive application for tracking product interoperability, into a web-based application using Oracle Web Server and PL/SQL.

Technical Specialist/Technical Lead, Systems Assurance Center (5/1995-8/1996)

- Hand-picked to start group for pre-release testing of Oracle Applications software; grew to 10+ members.
- Primary liaison between development and support to ensure highest quality out-of-box experience by identifying, prioritizing, and resolving critical issues that would result in significant impacts on Worldwide Support organization.
- Coordinated testing responsibilities among group members across multiple geographies.
- Conducted training sessions and lectures, and wrote technical literature on new product technology for support analysts, sales representatives, and consultants.
- Performed hardware and database administration of Solaris and Windows NT workstations.

Senior Technical Analyst, AOL/AutoInstall Technical Support (8/1993-5/1995)

- Provided phone support on customization and installation issues for Oracle Applications, requiring in-depth knowledge of product and all supported operating systems (UNIX, VMS, HP and IBM mainframe, and DOS).
- Designed, built, and administered Certify application (defined above), using Oracle Forms.

EDUCATION

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| 1987-1993 | Massachusetts Institute of Technology | Cambridge, MA |
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- S.B./S.M. program in Computer Science and Engineering: undergraduate studies 1987-1991, graduate studies 1991-1993.
 - Teaching Assistant for introductory computer science class (1992-1993): conducted 8-10 hour-long weekly tutorials, assisted in teaching of recitations, graded problem sets, and worked on problem set/exam organization.
 - On-line Consultant for MIT IS (1990-1993): Wrote documentation and provided support to students, faculty, and staff on problems with programming, software packages, hardware configuration, networking, and messaging.
 - Student Intern with Digital Equipment Corporation (1989-1990): investigated modifications and improvements to neural networks used in ICR software, designed library packages for speech recognition software.
 - Minor in Music Theory and Performance; Drummer and President of MIT Festival Jazz Ensemble, assisted and led in production of two compact discs. Co-inventor of Patent No. 5,355,761 for heel-driven hi-hat cymbal pedal.