

RICHARD ELLING

Ramona, CA
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SUMMARY

Innovative and respected Systems Architect with extensive experience in network computing, complex systems design, leading globally distributed teams, and technical sales support. Subject matter expert in highly-available systems and data storage systems. Recognized developer and implementer of technological solutions for strategic, global business problems. Persuasive leader, speaker, and author.

TECHNICAL SKILLS

Analysis: Six Sigma, performance, reliability, availability, simulation, modeling, business continuity
Integration: Rack-based computer systems, blades, ATCA, VHF/UHF repeaters, SpaceLab payloads
Storage: ZFS, RAID, VxVM, VxFS, SAN, NAS, NFS, iSCSI, FC, SAS, SATA
Platforms: Enterprise datacenter, carrier grade, virtualization, Open HA Cluster, Sun Cluster
Languages: Java, C, Shell, XML, DTrace, JavaScript, SQL
Networks: HTTP, SMTP, POP, IMAP, DNS, LDAP, RIP, IPQoS, VNC, Webstart, Jumpstart
Environments: Adobe CS4, Salesforce.com, Netbeans, Swing, JMP, Google applications
Operating Systems: Solaris, Linux, OSX, Windows

CAREER HISTORY

RICHARD ELLING CONSULTING

2009 - Present

Proprietor, San Diego, CA

Provider of IT consulting services, technical white paper development, systems performance and analysis tool development, and advanced training programs.

- Provided strategic analysis of the health benefits software industry which enabled executives to make decisions regarding implementation of a new software environment.
- Developed and delivered advanced ZFS training program for the USENIX Technical Conference.

SUN MICROSYSTEMS

1999 - 2009

Chief Architect, Senior Staff Engineer, San Diego, CA (1999 - 2009)

Chief Architect for Integrated Systems Engineering developing appliance product solutions incorporating hardware and software from Sun and third party suppliers. Performance and availability engineer for Sun's entire product line, including software and hardware systems integration.

- Developed and released an integrated solution product line bringing new and innovative improvements to Sun's development, manufacturing, and sales processes. Product development involved C, shell, packaging, and automated HTML generation for system management.
- Reduced product development and release cycle from 3 years to less than 20 weeks by applying Six Sigma improvement techniques to business processes.
- Drove more than \$100M/year in long-term business by advising key enterprise and telecommunications customers on performance, availability, and reliability using custom DTrace code, heirarchical Markov models, and calibrated performability models of complex systems.

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Chief Architect, Senior Staff Engineer, San Diego, CA (continued)

- Collaborated on ZFS technologies in open source communities and initiated ZFS workshop at the USENIX Large Installation Systems Administration (LISA) conference.
- Published book on high availability clusters, which became the basis for a customer training product.
- Published white papers on building enterprise-class computing solutions by applying best practices.
- Developed availability benchmarks and performability analysis techniques which are now in use for the evolving field of dependability benchmarking.
- Developed tools and techniques for analyzing redundancy and performance characteristics for large, complex computing and storage systems which are used by hundreds of systems and storage engineers. Tools developed in Java with XML data representation and Webstart deployment model.

SUN MICROSYSTEMS

1993 - 1999

Enterprise Systems Engineer, Memphis, TN

Presales systems engineer covering the entire Southeast United States specializing in powerful, large-scale, and highly available networked systems designs.

- Awarded Sun Worldwide Systems Engineer of the Year
- Successfully delivered technical sales support driving revenue beyond goal each year: 156% of revenue goal in 1999.
- Delivered numerous technical presentations to customers on products, technologies, and futures.
- Advised Fortune-500, government, telecommunications, and education customers on networked computer systems design and operations.

ADDITIONAL EXPERIENCE

Manager of Network Support, Auburn University College of Engineer

Design Engineer, Institute for Technology Development, Advanced Microelectronics Division

Engineering Trainee, NASA – Kennedy Space Center

National Junior Fellow, NASA – Marshall Space Flight Center

AWARDS

Sun Worldwide Systems Engineer of the Year

Five-time SunRise award winner

FedEx Bravo Zulu award

EDUCATION

Executive MBA, University of Southern California, Marshall School of Business.

BS Electrical Engineering, Mississippi State University.

PROFESSIONAL DEVELOPMENT

Holden POWERBASE Selling

Six Sigma

INTERESTS

Board member and President of the Ramona Outback Amateur Radio Society.

Board member and Chief Financial Officer of the Ramona Emergency Assistance League.