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Portfolio websites:
www.ditainfo.info
www.xmldocs.info

Summary

- Over 10 years of experience doing software design and development, and implementing technology and communications solutions
- Software architect, designer, and developer
- Strong expertise in storage device hardware and software (holder of 7 patents), and XML-based technologies
- Results oriented, quick learner
- Quality and usability oriented
- **Titles/roles:** Senior Technical Staff Member, senior software engineer, user consultant, speaker, trainer, writer, team leader

Technical Expertise / Tools

- **Specialist in DITA and DITA Open Toolkit internals, XML, DTD, XSLT, XSL-FO, schema, Ant, scripting tools**
- **Publishing environments:** PDF, XHTML, Eclipse help, HTML Help (.chm), Drupal, WordPress
- **Operating systems:** Windows, Linux/Unix, and Macintosh application development and internals
- **Content management systems:** Drupal, WordPress, Alfresco/Componize, Astoria
- **Technologies and programming languages:** web services, XHTML, CSS, Python, PHP, C, Java, JavaScript, MySQL, and Microsoft Access
- **Key tools:** SyncRO Soft oXygen, Altova XMLSpy, Arbortext Editor and Styler, justSystems XMetaL, Adobe FrameMaker (structured, unstructured), Adobe Photoshop, Microsoft Standard Office Suite (Word, PowerPoint, Excel)
- **Storage technologies:** DASD, disk drives, disk storage subsystems, tape libraries, and optical libraries; SAN, fibre channel, and iSCSI

Key Consulting Experience

(Ongoing from 2002) Principal consultant (software architect and technology specialist) for VR Communications, Inc.:

Sample Clients:

Acta Technology (now Business Objects), Avid Technology, Community Vision of El Dorado Hills (CA), Citrix Systems, FedEx, IBM Corporation, Integrated Systems Inc. (now Wind River Systems, Inc.), Intuit, Kyocera International Inc., Mercury Interactive (now HP), Octel (now Avaya), PayPal (eBay), Pearson Charitable Foundation, Pillar Data Systems, RSF-EARTHSPEAK, San Francisco State University, San Jose State University, Savi Technology, Siebel Systems (now Oracle), Skytide Inc., Stanford University, Stanford Linear Accelerator Center (SLAC), University of California at Santa Cruz, VMware, and Women in Technology International.

Sample Projects:

- For a start-up company producing business analytic software, designed and created DITA-based product documents built around a comprehensive core vocabulary that featured extensive content reuse and tight integration with the Java- and XML-based product software
- For a large international shipping company, produced an extensive structured information (DITA-based) prototype and staged implementation plan for their web services and transaction-based products
- For a start-up storage company, did a legacy content conversion using Arbortext/Astoria
- For the charitable foundation associated with a world-wide publishing corporation, created academic curricula for a Python programming course (sponsored by AT&T) and a Microsoft Access database design course
- For a company creating application delivery software, provided customized DITA training to lead information developers located in the U.S. and Europe
- For a company creating RFID solutions, delivered a three-day training workshop and created a highly customized Eclipse Infocenter involving extensive XSLT scripting
- For a global corporation delivering a wide variety of products, created a customized prototype, delivered a three-day training workshop, and did follow-on coaching for a legacy migration project
- For an organization providing online software and services, trained and coached a technical documentation team as they created their first DITA project
- For a company creating virtualization products, did an analysis of legacy content targeted for a conversion to DITA
- *DITAinformationcenter™* (free DITA/XML resource, published August and October 2009, and January, April, June, and September 2010; in January 2011 published as a structured/unstructured mash-up on WordPress)
- *DITA Open Toolkit User Guide* (free DITA/XML resource, five releases 2006-2009)

Key Staff Positions

(2004-2005) Senior Software Engineer, Pillar Data Systems, San Jose, CA. Developer of Windows and AIX UNIX multi-pathing support for the Pillar Axiom disk subsystems using the Windows and AIX MPIO (multi-pathing support) frameworks.

(<2002) Senior Technical Staff member, IBM Corporation, San Jose, CA. Architected, developed, and led a team of 20 software engineers in creating the Subsystem Device Driver (SDD) in support of the IBM Enterprise Storage Server (Shark). SDD provided multi-pathing support for Shark and other high-end disk subsystems attached to Windows, Linux, Solaris, HP-UX, and AIX Unix server hosts.

Architected and developed device support for the Tivoli Storage Manager Server. This common device driver code ran on Windows, Linux, Solaris, HP-UX, and AIX. Devices supported included a large number of tape drives, tape libraries, optical drives, and optical libraries.

Developed disk and tape device support for the AIX/ESA Unix operating system for the IBM 390 mainframe.

Technical planner for zVM disk device support.

Additional projects: Projects using common (reusable) code, computer measurement, system performance tuning, computer accounting, APIs (application programming interfaces), and database-backed websites.

Education

Formal education, degrees: MA, mathematics – UCLA; BA, mathematics – UCLA; graduated with highest honors, member of Phi Beta Kappa

Additional coursework: University of California (Davis and Santa Cruz): Java, HTML, XML, content management, Web services; University of Washington: certificate program in Web technology solutions