



VR Communications, Inc.

Multichannel Communications Solutions

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Principal and Technology Specialist

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Summary

- Over 20 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, schema, Ant, scripting tools**
- **Publishing environments:** PDF, XHTML, Eclipse help, and HTML Help (chm)
- **Operating systems:** Windows and Linux/Unix application development and internals
- **Technologies and programming languages:** XHTML, CSS, Python, PHP, C, Java, JavaScript, MySQL, and Microsoft Access
- **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 for VR Communications, Inc. Independent and works-for-hire consulting.

- **Business-to-business (1099) consultancy** working independently or as a subcontractor to other consulting organizations.
- **Located in San Francisco Bay Area (Silicon Valley).** Willing to travel, temporarily relocate, or work remotely.
- **California corporation since 1995** (founded in 1993).
- **Quick, high-quality results providing strong business value:** Broad-based U.S. and international business and management experience and deep technical expertise. Practical solutions implemented in a timely manner and at a reasonable cost.
- **Our principals work independently or collaboratively, depending on client requirements.**
- **Sample clients:** Acta Technology (now Business Objects), Avid Technology, CERN (Geneva), Community Vision of El Dorado Hills (CA), Citrix Systems, IBM Corporation, IN2P3 (Paris), Integrated Systems Inc. (now Wind River Systems, Inc.), Intuit, KEK (Tokyo) and IBM Japan, Kyocera International Inc., Mercury Interactive, Octel (now Avaya), 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.

Recent Projects:

- **DITA Open Toolkit User Guide and DITAinformationcenter™** (published on SourceForge August 2006, and updated October 2006, April 2007, December 2007, and October 2009)
- Created academic curricula for a Python programming course and a Microsoft Access database design course
- 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 localization company, created a Python-based program to convert legacy XML content to DITA
- For a company creating application delivery software, provided a customized DITA seminar to lead information developers located in the U.S. and Europe
- For a company creating RFID solutions, delivered a three-day 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 workshop, and did follow-on coaching for a legacy migration project
- For an organization providing online software and services, 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
- For a start-up storage company, did a legacy content conversion using Arbortext/Astoria

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