

MARK VINCENT SULLIVAN

APPLICATION ENGINEER AND SOLUTIONS DEVELOPER



Summary of Qualifications and Skills

- Excellent independent problem solver, requirements analyzer, and project planner
- Strong background in object-oriented design and programming
- Strong background in database design, query optimization, and database-driven application development
- Experience presenting technical data to both customers and coworkers
- Excellent documentation skills including in-line remarks and maintenance of external documentation
- Experience with the following:
 - o C#
 - o Java / Javascript
 - o Visual Basic
 - o C++
 - o ASP.net
 - o AJAX
 - o C
 - o MS SQL
 - o HTML
 - o XHTML
 - o Multi-Threading
 - o IIS Configuration
 - o XML
 - o XML Schemas
 - o UML
 - o NDOC/Sandcastle
 - o Solr/Lucene
 - o Tomcat Apache

Awards

- 2010 Employee Excellence Award for Outstanding Accomplishments in Innovation (UF Libraries)
- 2008 Employee Excellence Award for Outstanding Accomplishments in Innovation (UF Libraries)
- 2003 Employee Excellence Award for Innovation (UF Libraries)
- 2001 Inner Circle Award for Excellence (MCI Worldcom)

Professional Experience

March, 2005 – Current

Information Technology, UF Libraries

Gainesville, FL

Head, Digital Development and Web Services (IT Senior) (November 2011 - Current)

- Manage all software development for the Digital Services and Shared Storage Units.
- Manage the main library web presence, from servers to support

Digital Development Software Developer (IT Expert) (2005 – 2011)

- Primary architect for the [University of Florida Digital Collections](#) database and ASP.net web presence which contains over 7 million pages and is projected to receive 30 million human hits this year.
- Created [thorough documentation](#) for this digital asset management system.
- Primary architect of widely-adopted [open-source SobekCM METS Editor software](#) to assist libraries with creation of metadata files for inclusion in digital repositories.
- Continued to maintain and create workflow applications and databases in .NET, C#, MS SQL.
- Developed and delivered presentations to internal groups and other institutions throughout Florida .
- In support of international collaborative [Digital Library of the Caribbean](#), created [stand-alone digitization toolkit](#), co-authored [training tools](#), and conducted [numerous training sessions](#) throughout the Caribbean.
- Worked as team lead for the occasional programmer assisting with similar work.
- Support library faculty and researchers on ad hoc projects, such as creation of the [human resource recruitment study](#) web presence.

Feb, 2004 – Jan, 2005

Digital Library Center, UF Libraries

Gainesville, FL

Systems Programmer– Ephemeral Cities Project

- Implementation and design of software and database for the Ephemeral Cities Project, a grant to create geographic interfaces to browse through maps, documents, museum objects, and photographs for three Florida cities from 1884-1903.

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- Managed a small staff of students to assist in the collection of data for current projects.
- Designed, created, and maintained workflow applications and databases in .NET, C#, MS SQL.

2002 – Feb, 2004

Digital Library Center, UF Libraries

Gainesville, FL

Internet Server Manager and Database Developer

- Developed a graphical quality control windows application that performs some automated quality control and assists students in image QC and creation of table of contents for digitized materials.
- Developed system-wide architecture to track items through the workflow at the digital library.
- Designed databases and managed information workflows for current projects, including a project to digitize [80,000 aerial photographs over Florida](#).

1999-2001

MCI Worldcom

Tampa and Gainesville, FL

Global Implementation Consultant

- Responsible for global customer's wide-area network implementations, including design within a budget, technical assistance, and configuration of customer equipment.
- Managed several projects to increase the bandwidth of PriceWaterhouseCooper's WAN, raising total revenue from \$16M to \$42M annually.
- Aided the customer and MCIW in troubleshooting all service or technical issues.
- Partnered with PwC, as well as Home Shopping Network, to sell, price, and provide both off-the-shelf and custom data and voice solutions.

1997–1999

MCI Worldcom

San Francisco, CA

Global Service Consultant

- Member of the Bank of America account team with responsibilities including both data and voice implementation, assisting with project management and customer notifications.
- Provided regular training for the customer to educate on MCI's products and processes.

1993–1995

Kitchen Manager / Associate

Education

Bachelor of Engineering in Computer Science Engineering
University of Florida (Gainesville, FL) 2011

Selected Publications

Lois J. Widmer, Laurie N. Taylor, and Mark V. Sullivan. "Born Digital Newspaper Preservation Workflows for the Florida Digital Newspaper Library and the Caribbean Newspaper Digital Library." *Proceedings of the Joint Conference on Digital Libraries*. Washington, DC: Jun. 2012. (Pending acceptance)

Sullivan, Mark. "Digitization Is Not Enough: Digital Archiving for Disaster Preparedness", *Proceedings of the Annual Conference of Caribbean University, Research, and Institutional Libraries [ACURIL]*, Tampa, Florida, June 2011. ([Paper presented June 2nd, 2011](#))

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Davis, Taylor, Williams, Benson, Gonzalez, Sullivan. "Increasing access to agricultural publications using digital repositories and the semantic web." *International Conference on Digital Libraries Series*, 2010.

Mark Sullivan and Marilyn Ochoa. "[Digital Library of the Caribbean: a user-centric model for technology development in collaborative digitization projects.](#)" *OCLC Systems & Services (International Digital Library Perspectives)*, Vo. 25, No. 4 (2009), pp. 249-262.

Wooldridge, Taylor, and Sullivan. "[Managing an Open Access, Multi-Institutional, International Digital Library: The Digital Library of the Caribbean.](#)" *Resource Sharing & Information Networks*. 20:1–10, 2009.

"From the air: the photographic record of Florida's lands" with Stephanie Haas et al. *OCLC Systems & Services: International digital library perspectives*. United Kingdom: Emerald Group Publishing, 2005.

Selected Presentations and Workshops

Digital Library of the Caribbean Digitization and Application Trainings:

- National Library of Jamaica (Kingston, Jamaica) February 2007, August 2009
- U.S. Embassy (Port-au-Prince, Haiti) July 2009
- National Archives of Haiti (Port-au-Prince, Haiti) June 2006, January 2007, May 2008, January 2011
- CARICOM Secretariat (Georgetown, Guyana) May and December 2006, May 2008
- FUNGLODE (Santa Domingo, DR) July 2006, August 2008
- Universidad de Oriente (Venezuela) March 2008
- College of the Bahamas (Nassau, Bahamas) February 2009

"[Measuring Impact and Return on Investment for Digital Collections and Digital Humanities Projects \[Poster\]](#)" with Laurie Taylor and Lourdes Santamaría-Wheeler, Poster Session, Florida Association of College and Research Libraries Conference, Daytona Beach, October 2011.

"[Collaboratively Supporting Undergraduate Research: the Journal of Undergraduate Research and the Libraries' Digital Collections \[Poster\]](#)" with several co-authors, Poster Session, Florida Statewide Student Research Symposium: Engagement in Undergraduate Research, Orlando, October 2011.

"[METS Editor & Viewer Tool for Libraries, Archives, Museums, and More.](#)" with Laurie Taylor and Lourdes Santamaria-Wheeler, Poster Session, *Florida Library Association Annual Conference*, Orlando, May 2011.

"[Metadata: Research and Application in The Management of Digital Collection.](#)" *XV Annual Conference of Caribbean University, Research, and Institutional Libraries [ACURIL]*, Santo Domingo, Dominican Republic, June 2010.

"Metadata Creation with the dLOC Toolkit," *XXXVIII Annual Conference of Caribbean University, Research, and Institutional Libraries [ACURIL]*, Montego Bay, Jamaica, June 2008.

"[METS, MODS, XML, and Other Alphabet Soup.](#)" *Florida Metadata Summit*, hosted by the Council of State University Libraries for cataloging and digitization centers in state university libraries, Orlando, FL, November 2006.

"[Evaluation Open-Source Digital Library Management Systems.](#)" with Marilyn Ochoa, Poster Session, *American Library Association [ALA] Annual Conference*, New Orleans, LA, June 2006.

Digitization Pre-Conference (instructor), *XXXVI Annual Conference of Caribbean University, Research, and Institutional Libraries [ACURIL]*, Aruba, June 2006.

"An open-source digitization toolkit for the Caribbean", *XXXVI Annual Conference of Caribbean University, Research, and Institutional Libraries [ACURIL]*, Aruba, June 2006.

"[Ephemeral Cities](#)" with Erich Kesse, *XXXV Annual Conference of Caribbean University, Research, and Institutional Libraries [ACURIL]*, Martinique, June 2005.

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Professional Affiliations

Application Engineer and Digital Curation Director, Digital Library of the Caribbean
Member, Association for Computing Machinery
Member, American Library Association and Library and Information Technology Association

References

References available upon request

Contact Information

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