

Jody DeRidder

CAREER SUMMARY

Computer science and information science professional with 20 years of management experience and 15 years of developing infrastructure and information architecture.

EMPLOYMENT

OCLC

8/14/2017 – present. Director of Metadata Frameworks

- Oversee the development and/or maintenance of controlled vocabularies, including thesauri, classification vocabularies, crosswalks and entity authority files.
- Lead the ongoing development of the Dewey Classification and Classification Service
- Contribute to the operationalization of linked data structures within OCLC
- Engage with community-based efforts to advance linked data for bibliographic metadata
- Represent OCLC on international metadata standards groups; actively involved in the development of recommended practices and industry standards.

University of Alabama Libraries

7/1/2015 – 7/28/2017. Head of Metadata & Digital Services

- Merged staff and faculty from multiple departments into a fully integrated and highly productive team.
- Designed new workflows, supervising software and database development to streamline and support complex data creation, transformation, movement, and storage.
- Developed solutions to broken SOLR indexer and restored full functionality to abandoned home-grown content management and delivery system (Java, JavaScript, PHP, MySQL).
- Developed software for legacy content migration.
- Developed workflows for outsourcing digitization and working with vendors.
- Expanded digital preservation content management to include auto-generated technical metadata, and to track and package content

7/1/2008 – 7/1/2015. Head of Digital Services.

- Hired, trained, and developed a highly motivated team who digitize several TB of archival digital content annually and create and support software infrastructure.
- Developed content organization methodology and cross-departmental collaborations and workflows to enable scalable, efficient digitization, access, and storage.
- Assisted in the design and development of an open-source content management and web delivery system architecture; developed upload software and support for faceted search and retrieval.
- Designed, developed and continually improved the technical infrastructure to support cross-departmental workflows, web delivery, preservation and management of content.
- Developed methods for mass-digitizing content at a low cost; wrote a grant proposal and obtained funding, and successfully managed the effort to completion.
- Designed, developed, implemented and analyzed usability tests.

University of Tennessee, Knoxville

12/1/2002 – 6/15/2008 Information Technology Administrator II, UT Libraries Digital Library Center.

- Developed an integrated and diverse digital library consisting of various special collections, primarily expanding on the use of DLXS and XPAT searching software. Modifications included:
 - Support for display and search functionality across multiple systems and complex metadata formats
 - Support for various multimedia and multiple hierarchical levels in item access, search and display
 - Support for LDAP, session maintenance, scientific and foreign character translation and encoding (pre-Unicode, and then in Unicode)
- Interfaced with clients to determine scope and needs of projects and software, and to assess results.
- Developed or modified crosswalks and software to extract, translate and modify metadata for consistency, completeness, and interoperability: TEI, EAD, MODS, DC, MARC21, METS, and locally-defined schemas
- Created support systems, configurations and workflows for ExLibris Digitool; provided beta testing and debugging for a year (eight different languages)
- Developed statistics-gathering software, with dynamic web display, to track usage
- Developed a secure, dynamic web interface for entering metadata and uploading resources

9/15/2000 – 8/15/2002 Computer Programmer, SUNSITE.

- Researched, designed and tested implementation and deployment methods for a secure distributed Java web application between a Sun server with Apache/Tomcat configuration and Macintosh clients, using JSP, Servlets, SSL, MySQL database, and signed applets creating an AWT GUI, and accessing/writing backend files.
- Designed, developed, upgraded and maintained a MySQL database-supported Open Archives Initiative repository. Developed database loaders, Perl translators for various forms of SGML to XML Unqualified Dublin Core, file search and correction scripts, command-line file entry and file correction programs, and a relational database search engine.

RELEVANT SKILLS

20 years of management and supervisory experience

15 years of experience in infrastructure design, development and support

Metadata crosswalking and transformation; legacy data migration

Software & database design and development; SOLR & XPAT indexing

Programming languages: Perl, C, C++, Java, PHP, JavaScript, Python, XSLT, SQL

EDUCATION

M.S. in Information Science, University of Tennessee, Knoxville. 2008.

M.S. in Computer Science, University of Tennessee, Knoxville. 2002.