

Eric C. Jahn

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IT professional with 22 years of demonstrated accomplishment. Specialties include open source software, and data standards development, data systems integration, and design.

Core Knowledge & Qualifications:

- *Data Systems Design, Modeling, Implementation*
- *Human Services Software and Application Development & Management*
- *Public Sector Web Protocols*
- *Web Services Data Exchange & Integration and Cloud*
- *Software Engineering*
- *Data Standards Development*
- *Federal Technical Assistance Consultant*

Professional Experience

Alexandria Consulting LLC - Data Architect & IT Director, December 2005 - Current

Health & human services data integration company specializing in building open source cloud and virtualized systems, and public sector web standards development.

Selected Highlights:

- Leading a multi-pilot Linked Data (Semantic Web) project for the 1,000 member organization Alliance of Information and Referral Services.
https://alexandriaconsulting.com/public-docs/airs_data_accessibility_recommendations.pdf
- Software Development Project Lead for an Open Source HMIS (HUD Homeless Management Information System) <https://github.com/servinglynk/hmis-lynk-open-source-docs/wiki>, a free human services Cloud and Big Data Java application with an API for third-party mobile application collaboration. It allows communities to work together using flexible, modern applications, and can securely share information with other community systems.
- Lead in designing the current and former versions of the HUD client exchange format, HMIS XML. Co-wrote, developed, and documented the Disaster Client Data Standard for the Coordinated Assistance Network, and participated in the development of its successor: FEMA Transfer of Emergency Patient standard, EDXL-TEP.
- Developed and maintained AHAR (HUD Annual Homeless Assessment Report) XML Schema versions 1.0-2.0, HMIS XML Schema versions 2.7 – 3.0 (currently used by HUD and Veteran's Administration for data sharing) - http://www.hmis.info/schema/3_0 Completed the 2014 HUD Data Model.
- Managed software evaluation, and implemented development certification processes for multiple client tracking systems as a federal contractor.
- Directed the development and coordinated AIRS (Alliance of Information and Referral Systems) XML 3.1 release with a team of software vendors. - <https://github.com/airsalliance/airs-xml>
- Successfully developed an real-time open source data warehouse and behavioral healthcare multi-agency referral system for Pinellas County, Florida. Guided the web service integration for the Health and

Human Services Health Exchange using the following protocols: Health Level Seven, CCD, IHE Cross Enterprise Document Sharing XDS.b, SOAP, REST, and PGP encryption.

- HUD (Housing and Urban Development) contracted Technical Assistance Consultant. I have managed, implemented, and guided many software and hardware solutions for numerous software, and data integration projects nationwide. Each customer requires unique solution implementation.
- NIEM (National Information Exchange Model) research for the NHSDC (National Human Services Data Consortium), presented at the National Information Exchange Model 2009 National Conference and attended the 2010 Human Services Roundtable on behalf of the Human Services XML subgroup of the NHSDC. Currently a member of the NIEM Human Service's Domain Community of Interest, helping to stand up the community of service domain. Attended Austin planning session
- Coordinated the multi-agency data collection for a federal "Cost of Homelessness" study. Sample sites included Jacksonville, Kalamazoo, and Upstate South Carolina. Collected cross-agency data, and scrubbed. Data Results were featured in an article in the "US News and World Report"
- Successfully completed a real-time web service "excarceration" human services integration with Orange County Corrections using the Synthesis data warehouse. 45 days before prisoner release, prisoner data is fed to the local social services system in anticipation of assistance.
- For the State of Minnesota and the Wilder Foundation, performed data integration consultation for statewide data collection using a customized XML Schema and local mappings.

Sarasota/Manatee County Continuum of Care - Manager, Information Systems, August 2003 - December 2005

Information Systems manager for HUD mandated web-based two county shared client tracking and information and referral system (HMIS). HMIS software used was Bowman Systems' ServicePoint product. Development of web services delivery model, network support and implementation. Successfully wrote six grants funded by Sarasota/Manatee counties to sustain the project.

- Implemented cross-agency human services XML/CSV data sharing, reporting, and web applications.

worksystems.org - Finance Director, April 1998 - August 2002

3 years directing finance department of a DOL mandated regional planning and policy board. Automated previously off-line business processes, implementing true enterprise budgeting/reporting/invoicing and payments.

- Built a healthy financial system from a previously struggling position. In three years, doubled expendable net assets by eliminating unprofitable cost centers and recouping a higher percentage of available revenues. Revenue jumped from \$12M to \$28M due to successful federal grant applications.
- Reorganized, recruited, and managed a 6-member fiscal team improving team morale, fiscal staff retention, and interdepartmental communication.

Snow-CAP Community Action Program - Program Manager, March 1996 - April 1998

Snow-CAP is a 30 year-old community based emergency service/referral agency serving Portland, Oregon.

The Ecotrópica Foundation - Project Coordinator, September 1994 - April 1995

Developed a proposal for a Costa Rican rainforest management plan, funded by World Park Endowment and Nature Conservancy. The foundation is a Costa Rican non-profit implementing sustainable development and ecological restoration projects. Work included proposal composition, staffing the park planning commission, proposal translation, and land use mapping. This protected zone is now the La Cangreja National Park.

Education

Mark Hatfield School of Government, Portland, Oregon, September 1996 - June 2004

Masters in Public Administration (concentration in Open Source Public Information Systems)

Northwestern University, Evanston, Illinois, September 1990 - June 1994

BA Political Science, 1994

Continuing Education

Masters of Computer Science coursework at Georgia Tech and Georgia Southern University, 2012-2014.

Software/Protocol Knowledge: Semantic Web, RDF, Integrating the Healthcare Enterprise (IHE); Content management systems: Plone, Drupal; NIEM developer certification; Health Level Seven (HL-7); Linux; Web Services; REST; Java and Python Programming Languages (XML/JSON web services and encryption specialization); Eclipse; Databases: MySQL, MS SQL Server, Google Cloud SQL; Project Management Software; UML modeling tools; SPSS Statistical Software; Enterprise Budgeting Programs; Google Web Toolkit; AWS, Google AppEngine; Apache Shiro Java Security Framework; Apache Maven

Standards Development Work: W3C Linked Data, HUD HMIS XML Schema, AIRS XML Schema, EDXL-TEP , CAN, NIEM Human Services Domain

Second Languages: Spanish (conversant), German (undergraduate coursework, limited)