

Barry L. Workman
586 E. North Broadway
Columbus, Ohio 43214 USA
(614) 203-2986

barryworkman@barryworkman.com

SUMMARY

Twelve years of enterprise and object oriented design and Java programming on Windows and Unix systems.. I recent provided proof of concept on the scheduling and use of Spring Batch loading of high volume JSON insurance claim data. I have designed large complex XML document architectures and written JAX B-JEE for Service Oriented Architecture applications. I have provided production support for pipeline Korn shell-Perl-Java parsing and data base loading architectures and maintained/extended a large shell script/VB script recurring reports applications. I designed XSLT XPath transformations for immediate publishing of daily Journals in a custom Java content at the Ohio Legislature and converted a proprietary version of Ohio's Administrative Code to XML.

TECHNICAL EXPERTISE

- Java Technologies: Java, JEE, Spring, Spring MVC, Spring Batch, JaxB, POJO, JSP, JSF, Servlets, Eclipse, Testing & Agile Development- JUnit/TDD/FIT, Ant and Maven, JBoss, Seam, GlassFish- JEE6.
- XML Technologies: XML, XSLT, XPath, XQuery, XOM, DOM & Sax, Saxon, Xerces, Xylan, XSL-FO, SVG, SGML,.
- Web Technology: JSON, CSS3, XHTML, Ajax, JQuery.
- Schema Languages: XML Schemas and dtd's (large and multiple), Relax NG, SOAP, WSDL.
- Scripting Languages - Unix Solaris tools, Korn & Bash Shell, Perl, and Omnimark. Ruby, Groovy.
- XML Editors/IDE's: XMLSpy, XMetal, Epic Editor (Arbortext), Excelon Stylus, Oxygen XML
- Database: Oracle 11g PL/SQL, MySQL, MongoDB

Agile Education:

The Agile Transformation - Scrum in Action Workshop,. Hands on Day in the Life of Scrum Workshop. IBM and the Rational Team Concert

A Day in the Life of Agile. An Agile PE that included 4 iterations. Pillar Technology.

CURRENT INTERESTS:

html5, plug and play javascript libraries (JQuery) with all displays in CSS3. The intended result is light but effective design that runs on all browsers and be changed in major ways easily. I envision MongoDB or other No SQL's tied to new or legacy platforms perhaps using Ruby or Groovy coding and interchangeable displays of CSS. I presently have a Ruby Mongo DB prototype constructed.

PROFESSIONAL DOCUMENT MANAGEMENT AND IT EXPERIENCE

Software Developer Workman Creations Inc. March 2012. - Present
Write Web Site and On Line gallery of Professional Arts Group (50 100 artists) in HTML5, JQuery and with all display in CSS3. (In progress). Creating a lasting impression emphasized.

Electronic Lead Capture Specialist. Workman Real Estate Services and Workman Creations Inc. March 2012 - Present

Lead Capture of Real Estate Inquiry Information via html form information for inclusion in Contact Management Software and use of Analytics to track and rate success of on line advertising. The goal is to build a customer base via the web. I currently average 20 Craigs List Ads (24/7). Initial click thru rates started at 4.5% and is now 12 - 15 %. Buyers are now phoning to view properties. Most recent results 56 registered new verified clients in past 25 days. The ultimate goal is for client to generate referral fees from these sales leads.

Java, Spring, Spring Batch Developer. Ernst and Young.

Nationwide Insurance, Claims Transformation Team. Oct. 2011 – February 2012
Design and implement Spring Batch loading of JSON encoded claims data. Project was moved “in house” and outside personnel dismissed.

Java XML Architect/ Developer, Workman Creations Inc. July 2010 – Sep 2011

Short Term XML XSFT Projects: O Neal and Associates, PTC, Caterpillar.

Java/J2EE/Perl and ETL Developer Chemical Abstracts 2007 - 2010

- Design and test a JAXB - JEE service for inclusion in a production SOA (Service Oriented Architecture).
- (ETL) Production support of data normalization, parsing and database loading of millions of chemical property data collections.
- Develop both a Unit and an Integrated testing system and continuous integration monitoring system for the delivery of chemical property data to clients
- Wrote Ant build scripts running automatically on either Windows or Unix OS.

- Re designed and enhanced an existing KSh- Perl pipeline architecture for data mining and reports generation.
- REQUIREMENTS ANALYST for legacy system enhancement projects.

Data Analyst-Java Developer Chemical Abstracts

June 2005- 2006

- Design and write Java transformation & utility applications for inclusion in J2EE. via Agile Java (JUnit) test harness and code reviews. Collections processed ranged from 4 to 80 million documents.
- Determine meaning, and relationships of individual data elements in patent documents from worldwide vendors/collections. Developed comprehensive XML document schema for worldwide patents from 1800's to present.
- Write XSLT templates for Quality Assurance of complex documents in preprocessing stage. Reduced visual QA time by 80%.

Sub-Contractor - Assurex Insurance/NXTECH Inc.

Sept 2004 – May 2005

- Mapped EJB-J2EE application data and developed XML structures from EJBS.
- Designed XSL-FO style sheets rendering J2EE output to PDF forms meeting the client's specification using Java (Apache) XSL FOP.

Co-Owner - Workman Real Estate Services.

Jul 2003-Present

Non active partner. Licensed Realtor® since 1988. Approximately \$4 Million sales per year.

XML Developer - Contract Ohio Depart. Education

March-July 2003

- Wrote applications to render curricula documents to PDF, RTF and HTML using Java based FOP, XPath and XSLT.
- Short Term Contract – Met goals ahead of schedule.

Senior Software Developer - IAM Technology Oct 1999-Nov 2002

- Application Areas: Document Design, Document/Content Management, Java Development, Web Services, E-Commerce, Data Delivery.
- Design Team member for Legislature of Ohio Java Enterprise Content Management System. A Pre J2EE Java Corba multi-platform document management system
- Designed and built XML document structures for Legislature of Ohio Java Enterprise Content Management System.
- Converted the Administrative Code (21,000 documents) of the State of Ohio to XML from the proprietary application Folio Views via RTF manipulated by XSLT and Omnimark.
- Provided XML support for all commercial clients of IAM Technology and wrote server side data conversion XSLT and X Path filters as part of middleware applications.
- Supervised a team of three developers producing a Java/ XML application for document drafting and management.
- Reviewed and responded to content management RFP's.

PROFESSIONAL CERTIFICATION

IBM Certified Developer XML and Related Technologies, 2000

CONFERENCE PRESENTATIONS AND IT PUBLICATIONS

“One World - One B2B Protocol?” A discussion on ebXML”. IAM Technology Summit. Columbus, Ohio. April 2001.

“How to XML”. Columbus CEO Magazine. August 2001.

EDUCATION:

- B.Sc., Agriculture, M.S., PhD, Animal Nutrition/Biochemistry, The Ohio State University.
- Strategic management with emphasis on logistical planning, systems analysis, course of action development and communication skills. U.S. Army Command and General Staff College.
- Various Real Estate CE in business law, finance, marketing, ethics and EEO.

MILITARY

Lieutenant Colonel USAR (Ret). Operations Officer (14 years), Executive Officer (3 years), Unit Commander (3 years). Ohio Drug Testing Task Force Commander (2 years).

Successfully mobilized a Medical Laboratory for duty in Desert Storm in 7 days – a personal logistical milestone.

Authored two national (US Army Forces Command) Staff studies that resulted in re organization of US Army Reserve Dental Forces.

Organized the construction of 4 chair dental clinic from cast off surplus and cannibalized equipment that provided on the job training for reserve dental personnel and treatment to retirees at a minimum additional cost to the US Government.

LANGUAGES & INTERNATIONAL EXPERIENCE

I was based in Italy 4 years with job responsibilities in N. African and Middle East countries. My mission “increase exports of US Grains using my own initiative”. Some degree of fluency in Italian, French and Arabic and understanding of business cultures in the Middle East.

PRIOR CAREERS

Successful (P&L) General Manager of Animal Feed Company
Trade Representative, Business Management and Production consultant to Governments of Algeria, Egypt, Kenya, Morocco, Saudi Arabia, Tunisia, Turkey and United Nations.
Partner in active Real Estate Practice established 1988.

PROFESSIONAL ORANIZATIONS

International Institute of Business Analysts (IIBA®)

Columbus Chapter IIBA®

Central Ohio Java Users Group

Columbus Ruby Brigade