

Anthony J. Bufort

Senior XML / XSL / Java / Web Developer
and Owner, AJB Consulting

www.ajbconsulting.us

PHONE: +1 (425) 221-4447

E-MAIL: ajbufort@ajbconsulting.us

OFFICE: 300 E. Armour Blvd, Apt #407
Kansas City, MO 64111

LINKEDIN: [anthonybufort](https://www.linkedin.com/in/anthonybufort)

SKYPE: [ajbufort](https://www.skype.com/people/ajbufort)

PERSONAL STATEMENT

I am a well-rounded senior software engineer with 25+ years' experience in software development and XML-based publishing for small, mid, and large-sized companies. XML technologies and Java are my career specialties. Ever reluctant to embrace the word "expert," I believe in constant learning and growth, and strive to work where I can enjoy doing what I know well, while continuing to evolve.

SKILLS PROFILE

Well versed in a wide array of XML technologies involving the creation, parsing, manipulation, storage, and querying of XML. Have dealt with XML as raw data, publishing content, and a transport protocol. Have worked with document specifications in the aerospace, legislative, IT, medical, and cybersecurity domains, among others. Much experience performing various data transforms in XSL, and with various PDF publishing engines, as well as with the foibles of XSL-FO and area trees / intermediate output for those engines. Engineered author-experience customizations for oXygen and PTC Arbortext XML editing environments. Engaged in XSD data modeling to represent complex publishing and product metadata. Routinely use best-in-breed XML tools and other XML-relevant software such as Saxon XSLT engines, oXygen Editor, Antenna House, and MarkLogic DB, among others.

Certified in XML, HTML5, Java, and JavaScript.

<i>Programming (Desktop/Web):</i>	Sun JDK (1.2 – 17.x), J2EE, Spring, Python, REST Web Services, native JavaScript, JQuery, Angular, JSON, HTML5, CSS, Maven
<i>XML-related Tech.:</i>	XSLT (1.0, 2.0, 3.x), XSL-FO, DTD, XSD, XPath, XQuery, XProc, XLink/Pointer, XSpec, DOM, SAX, JAXB, dom4j, Saxon (HE, PE, EE, B), Xerces, Xalan, XUL, FOSI, oXygen CSS extension, DITA-OT, Invisible XML grammars, Coffeepot
<i>PDF Publishing:</i>	Antenna House Formatter, XEP (RenderX), Apache FOP, Arbortext Publishing Engine, Adobe Pro, FrameMaker, iText APIs
<i>Document Specifications:</i>	OSCAL (cybersecurity), DITA, Akoma Ntoso (legal), S1000D (aerospace), ATA (aerospace), AAMC Curriculum Inventory (medical/educational), DocBook 5, and others.
<i>Semantic Web:</i>	SKOS
<i>IDEs:</i>	oXygen, Eclipse, PyCharm, IntelliJ, STS, XML-Spy, Arbortext Editor
<i>Databases (XML/RDBMS):</i>	MarkLogic, eXist, Oracle 8.x-11g, EMC Documentum DB, Redis, MySQL
<i>App/Web Servers:</i>	Tomcat, Apache, WebLogic, JBoss
<i>Cloud Platforms:</i>	Amazon Web Services (AWS), IBM BlueMix (Watson Developer Cloud)
<i>Content Mgmt. Systems:</i>	Astoria CMS, Contenta CMS, EMC Documentum, X-Hive/Docato
<i>Middleware</i>	Hibernate, XMLBeans, Castor, Altova MapForce
<i>Graphics:</i>	Adobe Photoshop
<i>Miscellaneous:</i>	ChatGPT Plus, Auto-GPT, VMWare Workstation

EMPLOYMENT HISTORY

Senior Integration Specialist (Contract)

C1 Secure

Williamsville, NY (Remote)

7 months

(Aug 14, 2023 – Mar 4, 2024)

Reason for Leaving: Contract ended due to industry / market conditions

- Brought my years of XML experience to bear on an established cybersecurity company's problem set involving the handling of XML within and outside of ServiceNow (Tokyo/Utah releases). Learned multiple aspects of ServiceNow on the job amidst my typical data analysis / dev tasks.
- Created custom Transform Map within ServiceNow to import OSCAL XML into back-end security-control and other tables via JSON API / parsing, custom field mappings to XML, and Glide DB API.
- Designed next-generation XRX architecture and implementation plan involving automated generation of XForms from OSCAL data, REST services to handle transport, and XQuery to manipulate a MarkLogic backend. Created a ServiceNow MID server on VMWare with Windows Server 2022 running MarkLogic and Tomcat for the purpose.
- Engineered a solution to seamlessly insert OSCAL XML into FedRAMP System Security Plan (SSP) Microsoft Word document templates via XSLT 3.1, Java, and Office Open XML (OOXML).
- Ongoing research and development around OSCAL as the specification and its tools evolve. Routine engagement with the NIST OSCAL team and FedRAMP.

Senior Systems Architect / Development Lead, Technical Publications Division

RCM Technologies

Westerly, RI (Remote)

2 years, 3 months

(Mar 1, 2021 – Jun 9, 2023)

Reason for Leaving: To pursue other opportunities

- Senior Systems Architect for TechPubs division, directing the architecture and participating in the development of desktop and web-based XSLT, Java, and Python-based publication systems and data analysis / conversion tools.
- Leading a team of six junior and senior engineers working on several S1000D-related military contracts involving data conversion and publishing within the Aerospace vertical for major government and corporate clients/projects.
- XML Subject Matter Expert (SME) - see experience and certifications.
- Work daily with XSLT 3.0, Saxon 9.9x, Antenna House Formatter 7.2, Java JDK 1.8 / 17.x, Python 3.x, Oxygen XML Editor 25.x, Eclipse IDE (2022-xx), S1000D 4.2, Adobe Pro, CGM, SVG, and other core tools, technologies, and specifications.
- Direct the architecture of, maintain, develop, and update internal and customer-facing toolsets, both desktop and web-based.
- Participant in W3C XSLT 4.0 Community Group.

Senior Associate - Projects

Cognizant

Raleigh, NC

1 year

(Jan 6, 2020 – Feb 28, 2021)

Reason for Leaving: To pursue other opportunities

(1st client - LexisNexis)

- Worked on various products in teams within client organizations of Cognizant.
- Performed requirements gathering analysis for new XML-based document type within highly complex, heavily populated online legal and scholarly document system.

- Investigated, spurred-on, and achieved ticket resolution for stalled issue ultimately involving bad XML data producing inaccurate document counts against related metadata tags.

(2nd client - Toyota)


- XML / DITA-spec subject matter expert on the team
- Data architect and data conversion author (XSL 3.0) for new DITA-based system containing automobile repair and user manual data
- Recommended best-in-breed XML tools for development and maintenance (oXygen, Saxon, etc.)
- Maintain legacy stylesheets (XSL 1.0, 1.1)

Owner / Senior Contract Developer

AJB Consulting
Renton, WA

Ongoing / Intermittent
(Oct 1, 2008 – Present)

- Independent contractor open to new data-formatting / transformation / publication projects, website, web-application, and desktop development, and more involving a host of technologies including those of the XML world (XML, XSLT, XSL-FO, XSD, XQuery, XML-DB), (X)HTML, JavaScript (both native and with frameworks such as jQuery and Angular), Java, and other languages (when not working on larger assignments).
 - ❖ **PLEASE NOTE** that all other employment periods below this one occurring between 2008 and the present were performed either as contractor, or sub-contractor, under the rubric of **AJB Consulting**, unless otherwise noted. *Only brief, select engagements during that period are summarized here. Please see LinkedIn profile for expanded list.*
- (Apr - Jun, 2018) / (Aug – Oct, 2018) – **XCENTIAL LEGISLATIVE TECHNOLOGIES** - Marked up various famous legislative documents in Akoma Ntoso (AKN) legal markup language for upcoming legislative editor version. Wrote XSLT transforms and Java extensions to support such ongoing efforts. Developed ODF-to-AKN round-trip conversion and storage facilities for editor.
- (Dec, 2017 – Jan, 2018) – **VANTAGE LABS** - Developed Spring Boot web-service-based XSLT validation system to insure XSD and business-rule conformance for American Association of Medical Colleges "curriculum inventory" submissions via their Vantage Labs' iSeek API.
- (Jul, 2016 – Sep, 2016) and (Jul, 2017 – Sep, 2017) – **FLATIRONS SOLUTIONS** - Performed XSLT / XSL-FO publication formatting and transformation (United Airlines, JetBlue, and Honeywell as clients).

 <p>AJB Consulting www.ajbconsulting.us</p>	<p>Anthony J. (Tony) Bufort Owner / Sr. Developer</p> <p>✉ EMAIL: ajbufort@ajbconsulting.us</p> <p>☎ PHONE: (425) 221-4447</p> <p>SKYPE: ajbufort</p> <p>LINKEDIN: www.linkedin.com/in/anthonybufort</p>
<p> A fully licensed, fully insured Washington state entity.</p>	

Senior Developer and Technical Lead, IBM Watson Group (Watson Prototypes and SWAT)

IBM (through Experis)

Seattle, WA (Remote)

6 months

(Oct 19, 2015 – Mar 31, 2016)

Reason for Leaving: End of assignment amidst IBM restructuring

- Technical lead of a multi-member IBM confidential research project investigating, developing, and prototyping new technologies related to Watson artificial intelligence.
- Full-stack development responsibilities including both front and back-end aspects of POCs and other implementations, using Eclipse Mars on Mac OS X platform, extensive JavaScript with AJAX (native and Angular), JDK 1.8, Jersey, Maven, Spring, and Git, along with IBM BlueMix and AlchemyAPI (now Watson Natural Language Understanding) AI REST services.
- Key driver in the development of the evolving architecture behind the team's approaches.
- Trained and mentored junior and new developers on the team as required.

Senior Software Engineer / XML SME (Contract)

The Boeing Company (through PDS Tech.)

Renton, WA

2 years, 3 months

(Jun 1, 2013 – Aug 14, 2015)

Reason for Leaving: End of assignment circa project first-phase completion

- Senior role on the team as XML-tech subject-matter expert / Oxygen focal.
- Responsible for S1000D-compliant maintenance-training document assemblies, transformations, and storage using XML technologies (XSLT, XSL-FO, Antenna House Formatter, XProc, XQuery, xDB), native JavaScript, and Java within the CACTUS (Common Authoring, Configuration, and Transformation Utilities and Services) application context
- Responsible for Oxygen XML authoring interface customization using XSD schemas, CSS, Java, and third-party APIs to provide authors with properly constrained editing capabilities and clean, consistent views of rendered XML data akin to the intended final product.
- Developed XSL stylesheets for one-time, batch conversion of SGML-based data from another Boeing system into S1000D XML for eventual PDF formatting.
- In charge of data modeling involving the creation of XSD schemas to back publishing metadata, package manifests, and other aspects of the publishing system under construction.
- Participated in interviewing S1000D professionals for temporary data modeling / migration role on team, as well as developers for roles involving XML.
- Mentored other developers in XML/XSLT development and best practices.
- Attended Balisage 2013 markup conference in Montreal, CA to keep abreast of the latest developments in XML technology and practice.
- Tested and profiled several XSL-FO engines, then presented recommendation to business (ultimately, Antenna House Formatter).
- Researched, implemented, and integrated EMC Documentum XML Store technology and best practices on the project. Gained familiarity with aspects of D7 administration in the process.

Java / XSLT Developer/Analyst (Contract)

The Boeing Company (through CTS International)

Tukwila, WA

Reason for Leaving: To pursue other opportunities

2 years, 5 months
(Feb 14, 2011 – May 31, 2013)

- Engaged in analysis, development, and support for 787 Toolbox Common Services Backend involving XML-data-module-based documentation for the 787 aircraft program conforming to S1000D and Boeing proprietary XML data standards.
- XML / XSLT subject matter expert for the team, tasked with supporting display/print logic within Toolbox. Developed and maintained XML / HTML / PDF transforms in XSLT and XSL-FO using Saxon, Oxygen, and Antenna House XSL Formatter. Developed and maintained cross-browser CSS display and print-media stylesheets per Toolbox requirements. Augmented with JavaScript-based dynamic styling as required.
- Built Java web modules involving Spring, SAX XML parsing, and XSL transformations to read and manipulate data in preparation for display and printing.
- Lead a display/print development / test workflow improvement initiative involving VMWare virtual machine usage on solid-state drives to rapidly test code under various OS/browser combinations.
- Communicated with stakeholders and management to translate business requirements into code accommodating both the 787 Dreamliner and legacy models. Negotiated with SyncRO Soft (makers of Oxygen XML editor) concerning change requests on behalf of Boeing to improve their tool for our purposes.
- Loaned out to another Boeing team for six weeks to provide my XSL stylesheet expertise to the Mobile Reader project. Developed XSL, CSS, JS support for processing/display of a new data/document type within an iPad context.

The rest of my work history has been omitted to keep this resume at six pages.
Please see my LinkedIn profile for the full, expanded listing.

EDUCATION AND HONORS

- **Java I, II & III Courses**, *University of California, San Diego* – Grade: A (August, 2000)
Professional development courses during my move from web to Java application programming.
- **M.A. Program in Philosophy**, *University of Pennsylvania* – G.P.A. 3.6 (May, 1997)
Left before finishing program to enter the information technology / software development industry.
- **B.A. in Philosophy & Greek/Latin**, *Rutgers University* – G.P.A. 3.6 (May, 1992)
HONORS: Phi Beta Kappa, Henry Rutgers Scholar General Honors, Departmental Honors in Philosophy, Phi Sigma Pi Political Science Honor Society, Recipient of Jacob Cooper Prize in Logic, Rutgers College Merit Scholarship (twice), Dean's List (6 semesters).

CERTIFICATIONS

- XML Master (*xmlmaster.org via Prometric*) (Validity: Feb, 2020 – No Expiration)
- XML Concepts Master (*Brainbench*) (Validity: Feb, 2020 – Feb, 2023)
- HTML5 Master (*Brainbench*) (Validity: Feb, 2020 – Feb, 2023)
- Java Developer (*Sun Systems via Prometric*) (Validity: Jun, 2002 – No Expiration)
- JavaScript (*Brainbench*) Expired, In Renewal

PROFESSIONAL MEMBERSHIPS

- Member, Washington, DC Area XML Users Group (Aug 2013 – Present)
- Member, International Webmaster's Association (IWA) (1999 - 2000, 2020 – Present)
- Member, StratML Committee, AIIM International (Jan 2018 – Present)