BENNETT ATKINSON

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RCM Technologies   *Westerly, Rhode Island*
2022-Present, Sr. Software Engineer Lead *(Remote Position)*

Developed XSL templates for transforming F16/F22 Flight and Checklist XML into PDFs.

Developed XSL project that helped win F16 contract for transforming legacy SGML to S1000D valid XML.

Managed and trained the Aftermarket Software Development department.

Atlantic Coast Aircraft Services   *Reading, Pennsylvania*
2021-2022, Manager of Technical Publications

Managed Part 125 aircraft documentation for fleet.

Migrated documentation from the TechView management platform to the Web Manuals cloud platform.

Maintained documentation servers that hosted company online technical publications environments.

Developed Python scripts for translation of RAAS reports into documentation formats.

JANA, Inc.   *San Antonio, Texas*
2019-2020, Contractor *(Evening Part-time Contract Position)*

Gathered technical requirements from commercial aviation carriers to develop XSL styles and manual content from Airbus source XML for their A320 fleets.

Utilized OxygenXML, Antenna House, Apache FOP, and Python to create various electronic flight manuals from shared XML content.

Utilized XML to generate API documentation for XSL-FO and XSLT scripts.

Utilized XSL-FO and XSLT scripts to generate flight manuals in either PDF or HTML formats.

The NORDAM Group, Inc   *Tulsa, Oklahoma*
2013-2020, Technical Publications System Administrator & Application Developer Specialist

Utilized Javadocs to create API documentation for S1000D Application Suite.

Utilized Agile techniques to develop and test application for Airbus configuration management.

Managed HyperSTE dictionaries and sentence manager for Simplified Technical English (STE) compliance.

Developed S1000D application suite using a front-end created with a Java Swing Interface, and a back-end with SQL and Python for in-house production, management, and verification of data modules for aviation manufacturing manuals (AMM, CMM, SRM, and AIPC).

Developed application for viewing Computer Graphics Metadata (CGM) files using Java Swing.

Developed, implemented, and managed Controlled Natural Language Validator (CNLV) for verification of Standard Technical English (STE) and customer requested vocabulary using Python.

Developed application for external scanning of spreadsheets for producing S1000D compliant XML and PDFs using Python and JavaScript.

Developed prototype Interactive Electronic Technical Manuals (ITEM) for use in web applications using Django and Python.

Designed Common Source Database (CSDB) and socket server for storing and communicating data module metadata and supporting project XML and JSON files.

Developed JavaScript in FrameMaker for validating metadata and cross-references in S1000D data modules.

Developed prototype Content Management System (CMS) to store and retrieve data modules from a database using SQL and Python.

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2006-2013, Technical Writer Specialist

Developed Computer Graphics Metafile (CGM) binary-decoder for validation of customer business and standard CGM profiles.

Developed MS Word to S1000D XML-compliant data module translator.

Trained and supervised department on computer technology and ATA iSpec 2200 specifications.

2004-2006, Senior Technical Writer/SGML Focal

Created Structured Generalized Mark-up Language (SGML) applications for the following documents: AMM, CMM, and SRM.

Created Extensible Mark-up Language (XML) documents from SGML and used the XML Style Sheet Language Transformations (XSLT) to post Service Bulletins (SB) and Service Information Letters (SIL) on company intranet. Solved problem of developing interactive and searchable text at a low cost to company.

Co-designed data library processes for Enterprise Resource Planning (ERP) application.

2001-2004, Technical Writer II/SGML Focal

Edited manuals from other writers for ATA iSpec 2200 and Simplified English compatibility.

Developed SGML applications in FrameMaker+SGML for Dassault/Sogitec Falcon 2000EX and Gulfstream IV-X programs using customer's formats.

Advised Publishing, Marketing and MIS departments on technical matters relating to desktop publishing.

Advised MIS department on installation and maintenance of FrameMaker+SGML and printing requirements of department and on developing a database for XML documentation.

1999-2001, Technical Writer I/SGML Focal

Developed SGML applications in FrameMaker+SGML 5.5 for Service Bulletins and Service Information Letters.

Wrote ISO 9000 procedures for management of electronic documents.

Education

University of Oklahoma   *Norman, Oklahoma*
1991-1994, Bachelor of Arts in Journalism

Tulsa Community College   *Tulsa, Oklahoma*
2020, Associates of Science in Computer Information Systems

Acknowledgement

Presented "Basic Software Architecture to Get Your S1000D Project in Development" at the 2013 S1000D User Forum in Vienna, Austria.

Website: *https://bennettatkinson.info/*