

# Drew Hodge

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## Profile

Technical writer with twenty years' experience working with a wide range of software products, writing API and user documentation, and developing and maintaining document processing tools. Twenty years' experience as a biomedical engineering technologist working in medical electronics. Strong communication, problem solving, and analytical skills. Keen student who enjoys learning and taking on new challenges.

## Computer Skills

Programming languages:	XSLT, some familiarity with: Java, C, C++, C#, Python, and Javascript
Markup languages:	XML (familiar with standard XML dialects, DITA, DocbookX), XHTML, HTML5, HTML, LaTeX, and Markdown
Operating systems:	Apple Mac OS X, Microsoft Windows, Linux
Tools:	Eclipse, Oxygen XML editor, XMetaL, XML Spy, Doc-O-Matic, Frame Maker, EMACS, Visual Studio Code, Camtasia Studio, Microsoft Visual Studio, Microsoft Office, Xalan, Xerces, FOP, Ant, Git, and other open source tools

## Career History

### Contract Technical Writer

**December 2018 – Present**

### Wind River Systems Inc.

**April 2014 – December 2018**

Staff Technical Writer/Infrastructure Tools  
Developer

Working in both the Technical Publications team and the Infrastructure team writing technical content and providing documentation tools support.

- Writing documentation for developers and end-users in the form of programmer's guides and on-line help to support the company's Internet of Things and custom installer products
- Configuring and maintaining the company's Ixiasoft DITA Content Management System
- Developing custom XSLT transformations to generate DITA XML to convert legacy FrameMaker documentation into DITA XML
- Providing support for users updating content in the company's web-based knowledge library using in-house web applications and custom-built tools and scripts
- Participating in various committees to discuss writing standards and styles and the migration of legacy documentation into the CMS

**QNX Software Systems Limited**  
Technical Writer

**April 2011 – November 2013**

Installed, configured, and maintained the company's document processing system based on the DITA Open Toolkit, both standalone and in the Ixiasoft DITA Content Management System.

- Customized standard DITA OT stylesheets using overrides to implement special-purpose styles and formatting for XHTML and PDF output types
- Developed custom XSLT transformations to generate DITA XML to meet requirements of Eclipse-based and Web-based documentation sets
- Developed and maintained a set of XSLT transformations to generate valid DITA topics from Doxygen XML
- Developed, maintained, and ran custom documentation builds using Apache Ant and in-house Python tools and in Ixiasoft DITA CMS
- Coordinated QNX documentation source and tooling as part of a migration project to move documentation from a standard version control system (SVN) to a DITA-based content management system
- Prepared and presented short courses to introduce writers to XML-based, task-oriented writing using DITA

**Wind River Systems Inc.**  
Staff Technical Writer

**March 2010 – April 2011**

Planned and wrote user documentation for Wind River Workbench Eclipse-based development suite used for VxWorks and Wind River Linux embedded software development.

- Collaborated with writers and software developers in various geographic locations
- Created XML schemas for document types supporting the company's in-house XML vocabulary
- Designed and created CSS stylesheets for welcome and getting-started information in Wind River Workbench
- Planned and created tutorial videos and screencasts

**Infonium Inc.**  
Contract Technical Writer

**January and February 2010**

Temporary contract – planned and set up a document processing system using the DITA Open Toolkit. Wrote installation guide for the company's Capital Budget product.

**Children's Hospital of Eastern Ontario**  
Contract Senior Biomedical Engineering  
Technologist

**March 2009 – March 2010**

Temporary contract – repair and preventative maintenance of medical electronic equipment at Montfort Hospital, Ottawa.

**Autodesk Inc.**  
Senior Technical Writer

**June 2007 – January 2009**

Planned and wrote application programming interface (API) and user documentation for geospatial and computer assisted design products.

- Led (jointly) API writing group through two releases of an application for managing design, asset, and GIS information
- Collaborated with software developers at remote sites throughout the world to deliver complex and detailed C# reference documentation
- Actively participated in technical discussions and wrote best-practices for the company's primary API reference documentation tool
- Designed and wrote XSLT transformation scripts for use in a time tracking application developed in-house

**IBM Rational Software**  
Senior Technical Writer

**August 2003 – June 2007**

Planned and wrote online help for the Rational architect, software modeler, and software developer products. Received two Best of IBM awards: for published article on XSL, and for DITA specialization.

- Developed XSLT transformations to specialize DITA information topic types for tutorials and samples
- Managed translation project for several releases of the Rational product suite, coordinated source files and help files in thirteen languages, addressed defects, and communicated with translation centres around the world
- Established and maintained documentation build process using the Apache Ant build tool, implemented complex TOC and file linking for Eclipse features and plug-ins

**Entrust Inc.**  
Senior Technical Writer

**February 2000 – July 2003**

Planned and wrote API documentation for a Java software development kit that integrated cryptographic security into third-party applications.

- Designed (jointly) and implemented a modularized XML vocabulary for writing Java, C, and C++ API documentation
- Designed and wrote XSLT scripts for transforming XML source documentation into HTMLHelp and XSL:FO in preparation for generating PDF
- Designed, wrote, and implemented a Java application to process XML source documentation to produce HTML, HTMLHelp, and PDF documents ready for release

**Internetivity Inc./Databeacon Inc.**  
Technical Writer

**May 1999 – February 2000**

Planned and wrote user information for print and online documentation.

- Customized documentation for OEM partners
- Designed, wrote, and maintained internal process documentation

**Brytech Inc.**

**October 1996 – September 1998**

## Medical Product Manager

Managed the development of a health care monitor (combined apnoea monitor and pulse oximeter) as far as the prototype stage.

- Built and tested prototype monitors, coordinated certification inspections, scheduled patient trials
- Planned and wrote quality system and policy documents in accordance with the requirements of ISO 9001

## Children's Hospital of Eastern Ontario Technologist III, Biomedical Engineering Department

**May 1990 – September 1996**

Carried out repair and preventative maintenance of medical electronic equipment in all hospital departments at CHEO and in eleven hospitals in the Ottawa region.

- Installed, maintained, and repaired medical equipment requiring skill and knowledge in electronic, electro-mechanical, hydraulic, and pneumatic engineering technologies
- Communicated with department heads and hospital staff regarding routine maintenance and emergency repairs

## Voluntary Work in Africa Manager, Provincial Medical Officer's Office, Kabwe, Zambia

**August 1989 – December 1989**

- Established a medical equipment workshop for the Central Province of Zambia under the auspices of the British Voluntary Services Overseas (VSO) organization
- Trained local staff members in basic safety and routine maintenance procedures

## S&W Vickers Ltd. Training Manager

**May 1988 – July 1989**

- Designed and wrote technical training courses for the company's complete range of neonatal equipment
- Supervised field service and workshop technicians and technologists
- Negotiated maintenance contract agreements with customers
- Provided technical support for QA department regarding defect reports, customer complaints, and field modifications
- Performed routine business administration and workshop stock control

## Royal Air Force Service

**August 1975 – March 1988**

## Education

**Open University, Milton Keynes, United Kingdom**  
Bachelor of Science (B.Sc. Mathematics)

2001

**University of London (International Programmes),  
London, United Kingdom**  
Currently studying Philosophy (BA programme)

Second year

## Professional Development and Training

**compuSkills Information Technology Training Centre**  
Programming language training in: Java, C, C++, XML,  
HTML, JavaScript, Web technologies, Linux operating  
system

September 1998 – May 1999

**Algonquin College**  
Technical writing, C programming

January 1998 – April 1998

**Bellvue Community College**  
Technical writing

September 1997 – December 1997

**University of Waterloo**  
Technical writing and SGML

January 1997 – December 1997

**Royal Air Force Hereford, General Service Training  
School**  
Senior NCO's management course

1984

**Swindon Technical College**  
Technician Education Council Certificate in Electronics

1982

**Royal Electrical and Mechanical Engineers (REME)**  
School of Electronic Engineering, medical electronics  
and technologies

1978

**Royal Air Force Halton**  
No. 1 School of Technical Training, electrical and  
electronic engineering technologies

1976

## Voluntary Activities

**Project North Star Association of Canada**  
Member of the board of directors  
Newsletter typesetter  
Website designer/maintainer

2005-present