

Content engineering, XML processing and technical documentation are the fields I specialize in. My company [Xatapult](#) supports companies that either lack the knowledge or the capacity in these fields of expertise.

I have a technical IT background. After 20 years working for several large and small companies, in jobs ranging from programmer to architect, I started my own consulting company in 2001. Starting 2009, I specialized in content engineering and XML. In 2012 I started doing technical writing.

I am deliberately looking for projects on all levels: from consulting to application development to documentation and technical writing.

My ability to explain things, either by providing training or writing technical documentation, is an important non-technical skill. I am the author of several online articles and three XML technology related books. I am also one of the writers and editors of the XProc 3.0 standard, an important upgrade of an existing XML programming language.

For more detailed information see my [LinkedIn profile](#).



EXPERTISE OVERVIEW

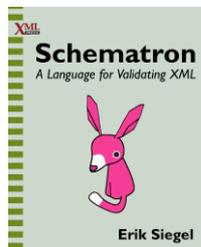
Consulting	Using content is not always straightforward. Which standard(s) to use? What is the optimal granularity for the content? Do I need a CMS to store and retrieve it? How do we combine structured (XML) with non-structured (images, sound, video) data? I help customers in making the right decisions.
Content Design	Sometimes content follows a well-known standard, but often formats need to be tuned or custom designed. I specify, formalize, and document these design decisions.
Standardization	Content standards (also known as vocabularies) play an important role in modern business. I was lead architect in several standardization projects and am one of the editors of the XProc 3.0 specification.
Developing applications	Writing actual working code plays an important role in understanding what you are working with and the consequences of design decisions. I specialize in XML related languages such as XSLT, XQuery and XProc.
Training	I provide training on XML related subjects, both in-house and public.
Technical Documentation	I like to write technical documentation and published three books and several articles. Whenever possible I combine this with my content engineering skills, for instance in using standards, generating parts, and providing consistent layout.

MAIN CUSTOMER OVERVIEW

Microware	2020 - 2021	Microware is a service provider in healthcare, especially pregnancy and maternity care. It offers online applications for midwives and (expectant) mothers. My main task is developing transformations between, among others, the several EPD XML dialects, like ADA and HL7.
John Benjamins Publishing Company	2017 - 2022	John Benjamins Publishing Company is a scientific publisher specialized in languages and linguistics. They have an XML First workflow for their journals and other publications based on the eXist-db platform. I support them by developing applications, coaching, and training.
Spiraltrain	2018 - 2021	Spiraltrain is a company providing technical developer training. I provide XML related training for them on topics such as XML basics, XSLT and Schemas.
Nictiz	2018	Nictiz is the Dutch expertise center for e-Health. I helped them with one of their eXist-db based systems.
eXist Solutions GmbH	2018	eXist Solutions GmbH is the company that support companies in using the eXist-db platform. I rewrote and restructures parts of the eXist-db online technical documentation for them.

Noordhoff Uitgevers, Infinitas Learning	2015 - 2018	Noordhoff Uitgevers is an important educational publisher in The Netherlands. Together with the educational publishers Liber (Sweden) and Plantyn (Belgium) it is part of the holding company Infinitas Learning. I worked for Infinitas/Noordhoff as content architect. A custom content model was designed. This model was implemented in their publish workflows, authoring systems and delivery platforms.
Malmberg	2013-2015	Malmberg is one of the main educational publishers in The Netherlands. I supported them by developing a content model, based on existing content and plans.
ThiemeMeulenhoff	2001- 2018	ThiemeMeulenhoff is one of large educational publishers in The Netherlands. I worked for ThiemeMeulenhoff in various projects, among which developing a database publishing architecture, system, CMS selection, and application development.
Kennisnet	2011-2013	Kennisnet is a government funded support organization for the Dutch educational market. I was lead architect in developing two XML standards/vocabularies, supported by eXist/XQuery based websites.
AssistiveWare	2012-2013	AssistiveWare develops assistive software for disabled people. Developed an eXist based conversion application that takes Adobe Indesign files (IDML) and turns them into XML suitable for an iPad app.
Kenteq	2012	Kenteq provides training for technical jobs in metal- and woodworking, ICT, etc. I performed an investigation on changing the current course manual production system into something more versatile: Not just creating PDF's but also other formats/interfaces.
Line Up	2011	Line Up is a digital publisher and service provider. My task was to introduce an XML application platform and train/coach the employees in using this.
Compu'train	2008-2011	Compu'train is a well-known Dutch professional training organization. I developed and provided the XML and XSLT training.
SVH	2008-2011	SVH is an education provider for the Dutch catering industry. I worked as a system's architect for several of their applications.

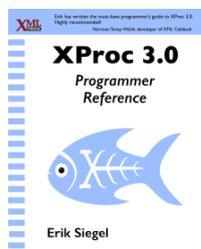
BOOKS



Schematron is a validation language that checks XML documents against business rules. It extends the validation provided by languages such as Document Type Definitions (DTD), W3C XML Schema, and RELAX NG, giving you the ability to check your XML documents for compliance with rules that can be difficult, if not impossible, to check with the other validation languages.

My previous book, about XProc, was geared towards a technical audience. This book targets a much broader audience, from people that just know XML to programmers. For beginners it contains an introduction to XPath, the expression language used in Schematron. Once this is mastered, writing simple but effective Schematron schemas is within reach. For technical users, several chapters are devoted to the more advanced features of the language.

(XML Press, 2022)



XProc 3.0 is a programming language for processing XML, JSON, and other documents in pipelines. XProc chains conversions and other steps, allowing for potentially complex processing.

I'm a member of the editing committee for XProc 3.0.

This programmer reference was written to lower the learning curve and stimulate using the language.

(XML Press, 2020)



eXist-db is an XML database and processing platform. Together with Adam Retter I wrote a book about it.
(O'Reilly, 2014)

PERSONAL DATA

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Website:	www.xatapult.com / www.xatapult.nl
Driver's license	Yes
Languages:	Dutch: Excellent (native language) English: Good
Company name:	Xatapult
VAT Id:	NL001654294B54
Dutch Chamber of Commerce code:	02072375

EMPLOYER'S SUMMARY

2009 -	Self-employed content engineer and XML specialist; company name Xatapult
2001-2009	Self-employed ICT consultant and systems architect; company name Siegel ICT
2000-2001	<theFactor.e>; Manager of software implementation department
1998-2000	EverMind Informatica; Consultant
1989-1998	KPN Telecom; Various positions
1989	Logica; Analyst-Programmer
1987-1988	PTT Telematica laboratorium; Researcher
1985	Informatieteam; Programmer
1982-1984	Freelance programmer embedded systems

EDUCATION OVERVIEW

2011	eXist Solutions eXist-db Development and Performance training
2008	Cocoon Be Value
2007	PAT Learning Solutions PRINCE2 Foundation
2004	Portalyx Content@ Fundamentals & API programming
2004	Cronos Documentum Technical fundamentals
2001	Boertien en Partners Train the trainer
1999	Sys Transition Workshop skills
1998	ISES Consultancy skills
1997	PTT Professionalising Workshop Facilitator Skills

1996-1997	Transfer Solutions Oracle Designer/Developer 2000
1995	Staffware Workflow Staffware Workflow
1993	PTT Opleidingen Training Management skills
1992	INTEL Opleiding C++ Object Oriented Programming
1989	Logica Opleidingen Presentation skills, Working in teams
1979-1987	Technical University Twente Master's degree Electronics

TECHNOLOGY OVERVIEW

XML, XSLT, XQuery, XProc, XML Schema, Schematron eXist-db	Extensive experience with designing, documenting, and implementing XML based applications and systems. Extensive experience with building systems with/on top of the eXist-db XML database.
ADA, HL7 IMS, SCORM	Interpreting and using these standards in the Healthcare business. Interpreting and using these standards in the Educational Publishing business. Especially QTI.
SOAP, WSDL HTML, PHP Visual Basic 6; VBA C/C++	Designing, building, and testing Webservices using these standards. Implementation of various websites using these technologies Several programming assignments Written lots of C programs (mostly Windows DLL's). I recently wrote several programs for the Arduino PLC.
Various assemblers	Written lots of programs in various assemblers, working as a freelance programmer during my student days.