

Profile

Marc André Schröder-Zhou



As a freelance .NET technology consultant, I am primarily active in the fields of .NET (Core) - development, SharePoint, software design and frameworks. After I set the foundation for my career through my two degrees - Master of Science, and Business Informatics Diploma (FH) - I am now a respected consultant, trainer, and developer for my clients, with more than 20 years of professional experience in the development and conceptual design of special software. As a certified MCPD, MCITP, and MCTS in SharePoint, I am also the author of the SharePoint column in the magazine "windows.developer," a guest author in numerous developer magazines, as well as a renowned speaker at various developer conferences. In addition to SharePoint, my publications mainly cover .NET: Parallel Computing.

Personal Data:

- Date of birth: 25.05.1976
- Place of birth: Dortmund
- Mother tongue: German
- Further languages: English

Education:

- Vocational baccalaureate
- Information technology assistant (ITA / Unna)
- Business Informatics Diploma (FH / Dortmund University of Applied Sciences)
- Master of Science (M. Sc.) – Business Informatics (University of Duisburg/Essen)

Certifications:

- Microsoft Certified: Azure Fundamentals
- Microsoft 365 Certified: Fundamentals
- Microsoft 365 Certified: Developer Associate
- Microsoft Certified Technology Specialist (SharePoint)
- Microsoft Certified Professional Developer (SharePoint)
- Microsoft Certified IT Professional (SharePoint)

Experience/Focuses:

- SharePoint training, development, and consulting (since the 2001 version)
- Lecturer at RheinMain University of Applied Sciences – Masters degree courses in FB Computer Science
- Lecturer at Frankfurt am Main University of Applied Sciences in FB Computer Science

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- Developer, coach, and training in .NET und SharePoint
- Software design / frameworks
- OOA / OOD / OOP
- Web portals and web applications
- .NET & .NET core software development
- Parallel Computing
- Design / implementation of databases (Focus: MS-SQL, MySQL, DynamoDB)
- Cloud solutions with Microsoft Azure or Amazon AWS

Technologies:

- Microsoft SharePoint Services/Server
 - WebParts
 - SharePoint apps
 - Event receivers
 - Timer services (timer & jobs)
 - Application services (search, taxonomy, Word etc.)
 - Implementation of application pages
 - Code optimisation (memory management) / analysis
 - PowerShell scripting
 - Display templates on the client's side
 - REST API (CSOM)
 - CAML
 - Workflows (Workflow Foundation (WF) 3.5, 4.0)
 - Content types and fields
 - Page templates and MasterPages (Design)
 - Information architecture
 - SharePoint migration (2007 → 2010/2013, 2010 → 2013 → 2016 → 2019)
 - SharePoint 2016/2019 Framework SPFx (Yeoman, WebPack, Gulp, Node)
- Web application development & design implementations
 - ASP.NET / ASP.NET Core
 - ASP.NET MVC / WebAPI / ODATA / REST / JSON
 - Third Party: Telerik / Kendo UI
 - RxJS, Angular, Knockout, Handlebars
- Distributed application development. Integration of cloud services:
 - Amazon Web Services (AWS)
 - Azure Services
- Windows application development (WinForms / Windows Presentation Foundation (WPF))
- Parallel Task Library (TPL)
- Microsoft .NET, C#, VB.NET, IDE: Visual Studio (Git / SourceSafe, Team Foundation)
- TypeScript, JavaScript, and Libraries (jQuery, AngularJS, Angular 5, Knockout)
- HTML/5, CSS (Bootstrap), XML, XSLT
- T-SQL (MS-SQL Server) / ADO.NET / Entity Framework

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Published specialist books:

- **Parallel Computing in .NET – Multicore Programming from .NET 2.0 to 4.0**
1st edition published December 2011 by Software und Support Verlag
ISBN-13: 978-3868020380 (**ISBN-10:** 3868020381)
- **Parallel Computing in .NET – Multicore Programming from .NET 2.0 to 4.0**
2nd edition published December 2011 by Software und Support Verlag
ISBN-13: 978-3868020724 (**ISBN-10:** 3868020721)
- **SharePoint 2010 – The Developer’s Book**
1st edition published March 2012 by Software und Support Verlag
ISBN-13: 978-3868020748 (**ISBN-10:** 3868020748)
- **SharePoint 2013: Developing Apps with Napa and VS 2012 (eBook)**
1st edition published July 2013 by developer.press Verlag
Asin: B00DOU24L6

Publications in professional journals (As of: 2018/05):

- ASP.NET Futures, dot.net-Magazin,
Issue: 09.2007
- Historical support, dot.net-
Magazin, Issue: 10.2007
- The Business Data Catalogue in Microsoft Office SharePoint Server
2007 (Schweizer DeveloperWorld Issue 37/2007)
- Dreams of the future, dot.net-
Magazin, Issue: 12.2007
- MS Astoria: Microsoft’s future data service
(Schweizer DeveloperWorld Issue 41/2007)
- MVC Framework for ASP.NET
dot.net-Magazin, Issue: 05.2008
- The Microsoft MVC Framework for ASP.NET
(Schweizer DeveloperWorld Issue 4/2008)
- Office Open XML dot.net-Magazin,
Issue: 09.2008
- Model-based data processing
dot.net-Magazin, Issue 09.2008
- ASP.NET Application: Step by step, Part 1
dot.net-Magazin, Issue: 10.2008

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- ASP.NET Application: Step by step, Part 2
dot.net-Magazin, Issue: 11.2008
- ASP.NET Application: Step by step, Part 3
dot.net-Magazin, Issue: 12.2008
- ASP.NET Application; Step by step, Part 4
dot.net-Magazin, Issue: 01.2009
- Practical Design Patterns Part 1 – Facade
dot.net-Magazin, Issue: 11.2008
- Practical Design Patterns Part 2 – Plug-In
dot.net-Magazin, Issue: 12.2008
- Practical Design Patterns Part 3 – Command
dot.net-Magazin, Issue: 01.2009
- Practical Design Patterns Part 4 – Strategy
dot.net-Magazin, Issue: 02.2009
- Practical Design Patterns Part 5 – Identity Map
dot.net-Magazin, Issue: 03.2009
- Practical Design Patterns Part 6 – Use resources created by the object pool pattern more often,
dot.net-Magazin, Issue: 04.2009
- Practical Design Patterns Part 7 – Prevent the multiple generation of an object type with
Singleton, dot.net-Magazin, Issue: 05.2009
- Practical Design Patterns Part 8: Monitor object states with Observer and be informed
of changes, dot.net-Magazin, Issue: 06.2009
- Innovations in Internet Explorer 8
dot.net-Magazin, Issue: 02.2009
- Step by Step reloaded: MVC Framework
dot.net-Magazin, Issue: 03.2009
- Des Pudels Kerne – Effective use of multi-core processors with ParallelFX
dot.net-Magazin, Issue: 05.2009
- Profiling with Ant Diligence – Identifying weaknesses and performance bottlenecks in .NET
applications – with the ANTS Performance Profiler 4 dot.net-Magazin, Issue: 06.2009
- Line of Business with Silverlight – Implementing an object-oriented MVC
framework for business applications, dot.net-Magazin, Issue: 07.2009
- What's new in ASP.NET AJAX 4 – A rendering engine for the client and other possibilities,
dot.net-Magazin, Issue: 07.2009
- The big crawl - The ANTS memory profiler The
Developer, Issue 06.2009

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- Axum (formerly: MAESTRO) – A domain-specific language for parallel programming under .NET
dot.net-Magazin, Issue: 01.2010
- Jungle DXpedition –
The updated developer library DXperience v2009: An Overview
dot.net-Magazin, Issue: 02.2010
- Next Generation .NET 4.0 - Parallel Computing under .NET with the Parallel Library and PLINQ task
The Developer, Issue: 02.2010
- Next Generation "ASP.NET Ajax" – Dynamic websites without Postbacks
ComputerWorld (Switzerland), online:
<http://www.computerworld.ch/aktuell/developerworld/50379/index.html>
- Parallel programming with PLINQ and .NET 4.0
ComputerWorld (Switzerland),
online: <http://www.computerworld.ch/aktuell/news/50654/index.html>
- ASP.NET MVC – The new way to develop ASP.NET applications
ComputerWorld (Switzerland), <http://www.computerworld.ch/aktuell/news/50932/index.html>
- Higher, faster, further – but as simple as possible please – STM.NET – Avoiding the side effects of isolation
dot.net-Magazin, Issue: .2010
- Column: C# in focus – Delegates and anonymous methods
dot.net-Magazin,
Issue: 8.2010
- Off into the web with ASP.NET – Using the new ASP.NET MVC Framework Release 2
dot.net-Magazin, Issue: 8.2010
- Web 2.0 and ASP.NET MVC – is it possible? – Part 2: ASP.NET MVC Framework Release 2, advanced techniques, and the use of jQuery
dot.net-Magazin, Issue: 9.2010
- Message in (Ex)change – Microsoft Exchange Web Services in use
dot.net-Magazin, Issue: 8.2010
- Column: C# in focus – Efficient programming with Closure
dot.net-Magazin, Issue: 9.2010
- Column: C# in focus – Lambda Expressions and Expression Trees
dot.net-Magazin, Issue: 10.2010
- Column: C# in focus – Guidelines for overwriting Equals, GetHashCode, and ToString (Part 1)
dot.net-Magazin, Issue: 11.2010
- ASP.NET 4.0 – the most important innovations (Part 1) – Improved ID and client ID functionality
ComputerWorld (Switzerland), online:
<http://www.computerworld.ch/businesspraxis/developerworld/artikel/aspnet-40-die-wichtigsten-neuerungen-teil-1-52598/>

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- Column: C# in focus – Guidelines for the overwriting of “Equals” and “GetHashCode” (Part 2)
dot.net-Magazin, Issue: 12.2010
- Innovations with ASP.NET 4.0 (Part 2) - ASP.NET URL Routing ComputerWorld (Switzerland),
online: <http://www.computerworld.ch/businesspraxis/developerworld/artikel/neuerungen-bei-aspnet-40-teil-2-52907/>
- Column: C# in focus – Functions and use of dynamic
dot.net-Magazin, Issue: 1.2011
- The innovations of ASP.NET 4.0 (Part 3) - QueryExtender Control ComputerWorld
(Switzerland), online:
<http://www.computerworld.ch/businesspraxis/developerworld/artikel/die-neuerungen-von-aspnet-40-teil-3-55370/>
- Column: C# in focus: Functions and use of the “ExpandoObject” class
dot.net-Magazin, Issue: 2.2011
- Column: C# in focus: Optional parameters in .NET 2.0 to .NET 4.0
dot.net-Magazin, Issue: 3.2011
- ASP.NET 4.0 – The innovations (Part 4)
Visualise data with the new Microsoft Chart-Control. ComputerWorld (Switzerland),
online: <http://www.computerworld.ch/businesspraxis/developerworld/artikel/aspnet-40-die-neuerungen-teil-4-55635/>
- Razor: alternative View-Engine for ASP.NET ComputerWorld (Switzerland), online:
<http://www.computerworld.ch/businesspraxis/developerworld/artikel/razor-eine-alternative-view-engine-fuer-aspnet-55944>

- Column: C# in focus – Insecure code via unsafe: pointers in C#
dot.net-Magazin, Issue: 4.2011
- Internet Explorer 9 from a developer’s point
of view, dot.net-Magazin, Issue: 4.2011
- The possibilities of parallelisation
dot.net-Magazin, Issue: 5.2011
- Column: C# in focus – Part 2: Insecure code via unsafe: pointers in C#
dot.net-Magazin, Issue: 5.2011
- Column: C# in focus – The possibilities of data type conversion in C#
dot.net-Magazin, Issue: 6.2011
- Task Parallel Library and PLINQ
dot.net-Magazin, Issue: 6.2011
- Column: C# in focus – Efficient data type conversion in C#
dot.net-Magazin, Issue: 7.2011
- Practical use of Parallel Computing
dot.net-Magazin, Issue: 7.2011

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- Column: C# in focus – Flexible type system in C#
dot.net-Magazin, Issue: 8.2011
- Column: C# in focus – Flexible type system in C#
dot.net-Magazin, Issue: 9.2011
- Parallel Computing — Part 1: Singleton and InitOnce
dot.net-Magazin, Issue: 9.2011
- Parallel Computing — Part 2: The Pipeline and Producer/Consumer design patterns (Part 2)
dot.net-Magazin, Issue: 10.2011
- Column: C# in focus – Implementation of your own iterators: Iterator & Yield
dot.net-Magazin, Issue: 10.2011
- Column: C# in focus – Attribute in C#
dot.net-Magazin, Issue: 11.2011
- Parallel Computing — Part 3: Future
dot.net-Magazin, Issue: 11.2011
- Column: C# in focus – Error handling with structure
dot.net-Magazin, Issue: 12.2011
- Parallel Computing — Part 3: Tipps on Loops: Task Parallel Library: Using parallel loops
dot.net-Magazin, Issue: 12.2011
- Column: C# in focus await-async: asynchronous programming in .NET 4.5
dot.net-Magazin, Issue: 01.2012
- Parallel Computing: Task Parallel Library
dot.net-Magazin, Issue: 01.2012
- Parallel Computing: Unchangeable, but convertible
Windows Developer, Issue: 02.2012
- Column: C# in focus Using and controlling the pre-processor
Windows Developer, Issue: 02.2012
- Column: C# in focus Strings with char, String, and StringBuilder
Windows Developer, Issue: 04.2012
- Column: C# in focus String encoding
Windows Developer, Issue: 05.2012
- Parallel Computing: Dataflow Library
Windows Developer, Issue: 05.2012
- SharePoint service architecture – an overview of the different SharePoint services
SharePoint Magazin, Issue 02.2012
- Breaking boundaries – more functionality in sandbox solutions thanks to our own Full Trust Proxy
SharePoint Magazin, Issue 01.2012
- SharePoint as a CMS
SharePoint Kompendium, entwickler.press, Published 10.2013
- Amazon S3 – Simple Storage Service
Windows Developer, entwickler.press , Issue: 08.2013

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- SharePoint applications with AngularJS and Knockout
Windows Developer, entwickler.press, Published 07.2014, Band 6
- SharePoint column: Overview of the extension possibilities
Windows Developer, entwickler.press , Issue: 02.2014
- SharePoint column: The server-sided object model
Windows Developer, entwickler.press , Issue: 04.2014
- SharePoint column: Easy access to list data
Windows Developer, entwickler.press , Issue: 06.2014
- SharePoint column: Extensive lists and comprehensive list queries
Windows Developer, entwickler.press , Issue: 08.2014
- SharePoint column: LINQ to SharePoint and SPMetal
Windows Developer, entwickler.press , Issue: 10.2014
- SharePoint column: Field definition and content types (Part 1)
Windows Developer, entwickler.press , Issue: 12.2014
- SharePoint applications with AngularJS and Knockout
Windows Developer, entwickler.press, Published 11.2014, Issue: 04.14
- Azure: Medien in action – the Azure Media Service
Windows Developer, entwickler.press , Issue: 01.2015
- Azure: Tracing service in action
Windows Developer, entwickler.press , Issue: 03.2015
- Column: SharePoint in practice: Your own SharePoint fields (Part 2)
Windows Developer, entwickler.press , Issue: 06.2015
- Column: SharePoint in practice: Client-sided rendering
Windows Developer, entwickler.press , Issue: 08.2015
- Column: SharePoint in practice: Client-sided rendering (Part 2)
Windows Developer, entwickler.press , Issue: 10.2015
- Earn money with your own website: the integration of payment providers
Windows Developer, entwickler.press , Issue: 11.2015
- Column: SharePoint in practice: Display templates
Windows Developer, entwickler.press, Issue: 12.2015
- Column: SharePoint in practice: SharePoint 2016 preview
Windows Developer, entwickler.press , Issue: 02.2016
- Column: SharePoint in practice: Workflows (1)
Windows Developer, entwickler.press , Issue: 04.2016
- Column: SharePoint in practice: Workflows (2)
Windows Developer, entwickler.press , Issue: 06.2016
- Column: SharePoint in practice: Workflows (3)
Windows Developer, entwickler.press , Issue: 08.2016
- Column: SharePoint in practice: Workflows (4)
Windows Developer, entwickler.press , Issue: 10.2016
- Column: SharePoint in practice: Workflows with an assignment and start form (5)
Windows Developer, entwickler.press , Issue: 12.2016

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- Column: SharePoint in practice: Workflows with your own code (6)
Windows Developer, entwickler.press , Issue: 02.2017
- Column: SharePoint in practice: Event receivers (1)
Windows Developer, entwickler.press , Issue: 04.2017
- Column: SharePoint in practice: Event receivers (2)
Windows Developer, entwickler.press , Issue: 06.2017
- Column: SharePoint in practice: Event receivers for SharePoint online (3)
Windows Developer, entwickler.press , Issue: 08.2017
- Column: SharePoint in practice: WebHooks in SharePoint (1)
Windows Developer, entwickler.press , Issue: 10.2017
- Column: SharePoint in practice: WebHooks in SharePoint (2)
Windows Developer, entwickler.press , Issue: 12.2017
- Column: SharePoint in practice: Access to SharePoint via JavaScript (Teil 1)
Windows Developer, entwickler.press , Issue: 02.2018
- Column: SharePoint in practice: Access to SharePoint via JavaScript (Teil 2)
Knockout and CSOM in combination
Windows Developer, entwickler.press , Issue: 04.2018
- Column: SharePoint in practice: The new SharePoint 2016 framework (SPFx)
Set up the development environment and implement a client-sided WebPart
Windows Developer, entwickler.press , Issue: 06.2018
- Column: SharePoint in practice: The new SharePoint 2016 framework (SPFx)
The use of SharePoint SPFx API
Windows Developer, entwickler.press , Issue: 06.2018

Conference talks:

BASTA 2016 (Autumn)

- Strong team: SharePoint apps and Angular 2.0
- Implementation of SharePoint 2013 workflows activities

Developer Week 2014 - Nürnberg

- A modern RESTful-based web application
Entity Framework, ASP.NET MVC (WebAPI & ODATA), AngularJS, Bootstrap

BASTA 2014 (Spring)

- External SharePoint 2013 app

BASTA 2013 (Autumn)

- Workflows under SharePoint 2013

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- Mobile apps with SharePoint

2013 dotnet Cologne 2013

- ASP.NET MVC 4
The alternative to the Web-Form model
- An app for SharePoint 2013

BASTA 2012 (Spring)

- Parallel and asynchronous programming with .NET 4.5
- Sandbox Solutions: Dealing with restrictions correctly

BASTA 2011 (Autumn)

- Best practices for SharePoint 2010
- Service architecture with SharePoint 2010: an overview

dotnet Cologne2011:

- Task Parallel Library & PLINQ
Effective use of multi-core processors
- Parallel Computing and today's programming talk (.NET)

BASTA 2011 (Spring)

- Parallel Computing with Visual Studio 2010
- SharePoint 2010 – Application integration
- Design patterns for parallel programming
- Branding SharePoint 2010
- Use of the SharePoint client object model

BASTA 2010 (Spring)

- From LINQ to PLINQ: Using PLINQ in a controlled manner

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BASTA 2009 (Spring)

- Design and implementation of an IE8-optimised web application
- ParallelFX: parallel programming in .NET 4.0
- IE 8.0: Activities, WebSlices, and further news for developers
- MS Astoria = ADO.NET Data Services

Certifications:

Microsoft 365 Certified: Fundamentals

Microsoft 365 Certified: Developer Associate

Microsoft Certified: Azure Fundamentals

SharePoint Administrator 2010

SharePoint Developer 2010

SharePoint 2010, Application Development

SharePoint 2010, Configuration



Microsoft
CERTIFIED
Professional Developer

Microsoft
CERTIFIED
Technology Specialist

Microsoft
CERTIFIED
IT Professional



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Project excerpts

From 09/2011 until present SharePoint solution architect, consultant, and developer

Implementation of numerous SharePoint projects for various clients.

Excerpt:

- Migration MOSS 2007 to SPS 2010
- Migration MOSS 2007 to SPS 2013
- Migration MOSS 2013 to SPS 2016 and SP 2019
- Development support in the development sector for SharePoint (2007,2010,2013,2016 and 2019)
- Integration of cloud services in SharePoint solutions. Examples:
 - Amazon DynamoDB for data exchange when publishing content to external systems
 - Combined Amazon API Gateway, Cloud-Frontend, S3, and Lambda solution for the automatic compression of images to relieve SharePoint servers
 - Integration of an Amazon Lambda solution for real-time data preparation of cantonal election data for performance reasons
 - Integration of an Amazon live stream (media services) in SharePoint through your own WebPart. Automatic start of the media channel as soon as a transmission has been scheduled in Sharepoint.
- Transition of (exchange) solutions to SPS 2010, 2013, and 2016
- Development and extension of existing MOSS 2007, SPS 2010, 2013, 2016, as well as 2019 solutions
- Extension and expansion of the standard search (SP 2013 / display templates)
- Integration of the Termstore into customised solutions
- Development of an information architecture (content organisation) based on SharePoint fields, content types, and special output templates (JSLink)
- Implementation of client-based solutions with Angular, Knockout, CSOM, and jQuery.
- Automated letter creation and administration
- Mobile app for the reporting of damage (bridges, roads, hiking trails, etc.)
- Integration of payment providers (Saferpay, Postfinance, PayPal)
- Various WebPart solutions
- Workflow application for defect reports and their rectification
- Management of supplier data, including own search application
- Training, consulting, developer coaching
- The programming of various extensions:
(Event Handler, Web Parts, Application Pages, Content Types, Fields, User Controls, Scheduler, Workflows, InfoPath Forms ...)
Design: Master Page, CSS, Ribbon, and Page Layouts

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From 09/2011 until present

SharePoint Internet platform for a Swiss canton (public administration)

Taking over of challenges and planning of SharePoint implementation. Implementation of numerous SharePoint extensions for the public portal, among others:

- Paying fines through an online form
- Workflow-based newsletter distributor integrated into SharePoint + integration of AWS SES, including evaluation of read mail.
- Integration of a live streaming solution in SharePoint via AWS Media Services for the live broadcast of public meetings.
- Evaluation and processing of election data. Outsourcing of the calculation logic for election results to the AWS Lambda function.
- Extensions and adaptations for the SharePoint search, including adaptations to the search templates.
- Implementation of a TermStore management solution for the categorisation of content.
- Implementation of an online shop and integration into SharePoint.
- Numerous WebParts for the output of content through various representations – such as a news carousel for displaying the latest announcements
- Implementation of a video platform for the management of videos. The videos are saved in AWS S3 and converted into different formats via the AWS media services. The conversion takes place automatically after uploading a video via an AWS Cloudwatch event and the calling of an AWS Lambda function. Management and access to AWS S3 was implemented with the Telerik Browser widget. The display on SharePoint is carried out through special WebParts.
- Support for migrations from SP 2007 -> SP 2010 -> SP 2013 and currently to SP 2019.
- Creation of various content types, page layouts, and custom fields.
- Implementation of event handlers to synchronise content during publishing to AWS DynamoDB.
- Implementation of WebParts for the client-sided reading of AWS DynamoDB content.

04/2019 to 02/2020

Online administration for museums

Implementation of a web application for the administration of museum data (objects, core data, exhibitions) and events. Realisation of the application with the following tools: Visual Studio 2019, ASP.NET MVC Core + WebAPI (ODATA), C#, LINQ, ASP.NET Identity Provider, ADO.NET Entity Framework, Bootstrap, JavaScript, HTML/CSS, Kendo UI, MS SQL Server, Amazon AWS S3. Provision of the application via Microsoft IIS. Special features of the solution:

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- Multilingualism, including globalisation
 - Own ASP.NET identity solution for registration and the utilisation of existing users from third parties
 - Generation of automatic data feeds for publishing information on other platforms
 - Direct client-sided file upload to Amazon AWS S3
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10/2018 until present

Implementation of an online administration web application for workers

The recording of technical challenges and the ongoing creation of a functional specification for the new application (agile approach). Conceptual design of the application and application architecture. Design of the data and function distribution via your own REST-API interfaces. Realisation of the application with the following tools: Visual Studio 2017, ASP.NET MVC + WebAPI (ODATA), C#, LINQ, ASP.NET Identity Provider, ADO.NET Entity Framework, Bootstrap, JavaScript, HTML/CSS, Kendo UI, MS SQL Server (Azure). Provision of the application via Azure. Additional Azure jobs for background tasks. Special features of the solution:

- Multilingualism, including globalisation
 - PDF creation of invoices and payrolls
 - Multi-client capability as provided for several countries
 - Authorisation concept, including role system
 - Integration of online payment providers
 - Visualisation of locations and routes with different means of transport via a map display
-

01/2016 to 12/2016

Introduction of SharePoint 2013 as an intranet platform

The recording of technical challenges for the new intranet. Analysis of the existing SAP-based intranet and derivation of existing functions, as well as the recording of improvement points. Creation of a concept for the new intranet. Implementation of all required SharePoint extensions: MasterPages, page templates, content types, column definitions, display templates, search extension, creation of WebParts, etc. Implementation of an app store for the integration of your own (company) applications, the development of a Termstore, and other features.

Conceptual design of the information architecture for global content types and use of the Termstore.

Own extensive SharePoint-based CMS solution for the administration of corporate news.

Design and layout implementation, taking multiple end devices into account: SSL, HTML, CSS, AngularJS, JavaScript, C#.

CSOM, Microsoft SQL Server (T-SQL).

03/2016 to 07/2016

e-Form Manager for SharePoint 2013

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Conceptual design and implementation of an application to distribute tasks/forms to employees very easily. Employees have to process the task within a defined period of time. If the specified deadline is exceeded, the process automatically sends reminder emails.

Technologies: C#, column definitions, content types, Workflows, AngularJS, web services, JavaScript, HTML, CSS, Bootstrap.

01/2016 to 12/2016

PowerPoint Publisher for SharePoint 2013

Conceptual design and implementation of an application to create a new presentation from several PowerPoint presentations, via a web interface. The aim should be to recognise which presentations a changed slide was used in afterwards. This ensures that the slides in the combined PowerPoint presentations are always up to date.

Technologies: C#, column definitions, content types, ASPOSE, AngularJS, web services, JavaScript, HTML, CSS, Bootstrap.

04/2014 to 01/2015

Layout apps for SharePoint online

Implementation of various SharePoint apps for SharePoint online to influence the visual presentation. The entire colour scheme, as well as the global navigation, can be adapted to your own needs via the app.

Technologies: HTML, CSS, AngularJS, JavaScript, C#, CSOM, T-SQL

06/2014 to 01/2015

SharePoint Migration 2007 to 2013

Planning and implementation of the portal migration from MOSS 2007 to 2013. Creation of capacity plans and calculations for the sizing of the new SharePoint 2013 farm. Carried out test migrations to SharePoint 2013.

Conducted workshops on various SharePoint topics for administrators, developers, and users. Creation of an authorisation concept. Design and implementation of various MasterPages. Development of own SharePoint authorisation management.

09/2014 to 03/2015

SharePoint Migration 2010 to 2013

Planning and implementation of the portal migration to 2013. Adaptations to own extensions. Creation of migration guidelines for the subsequent production migration. This was a public website with many of its own extensions. Adaptation of all existing feature extensions to the new API, in particular to the new search interface.

12/2012 to 08/2016

Development of a content management system present

Planning, architecture, design, and implementation of a cloud-based CMS, based on ASP.NET MVC, Entity Framework, jQuery, AngularJS, Azure, and HTML/CSS (Bootstrap). Further information regarding the CMS is available at www.my-pwp.net.

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04/2013 to 12/2013

Conversion of a content management system to Amazon S3

An existing CMS that previously stored necessary assets in the local file system was completely converted to Amazon S3 as data storage.

- Planning and design of the necessary changes
- Implementation of all necessary adjustments
- Testing and corrections
- Migration mechanism for existing content and special features:
 - Implementation of a direct web-based file upload to S3
 - Implementation of special Telerik providers for certain control elements

01/2013 to 10/2013

Extension of a content management system with frontend editing

An existing CMS previously only allowed content to be edited on separate administration pages. The CMS had to be extended to allow direct content editing on the final pages.

- Planning and design of the necessary changes
- Implementation of a service structure to be able to save changes on the client's side via a service
- Use of Kendo UI elements (Kendo UI Editor, Upload, Image Browser etc.) for the direct editing of content
- Testing and corrections
- Migration mechanism for existing content and links

08/2013 to 05/2014

Implementation of a library application in SharePoint

Complete implementation of a library application according to the delivered specifications:

- Design of the (SharePoint) data structure
- Design of the class model
- Implementation of the object model
- Implementation of the service interface for Kendo UI controls
- Realisation of the interface using Kendo UI
- Testing and corrections
- Documentation of the architecture/application

10/2013 to 04/2014

Cloud-based media management

Implementation of a media management in SharePoint. The media management enables the effective storage of media data within an Amazon S3 data structure. Self-defined attributes can be stored for each medium. Through an encoding function based on the Amazon Elastic Transcoder service, media can be transferred into different formats.

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- Creation of the application architecture
- Implementation of the application according to specifications
- Use of Telerik & Kendo UI components
- Testing and corrections
- Documentation of the architecture/application

02/2013 to 04/2013

General Kendo WebPart for SharePoint

Implementation of a general SharePoint WebPart to display list data within a Kendo Grid. Full support of all functions, such as page navigation, filtering, and grouping on the server side.

10/2011 to 12/2011

Analyst / Developer / Architect

EuroHypo AG

Evaluation of a WPF application under construction.
Evaluation of the (software) architecture of a multi-tier WPF-based application. Due to constant delays and problems, the existing implemented solution needs to be analysed and critically evaluated.
Tasks: analysis of the documentation against the source code, analysis and evaluation of the source code. Evaluation of the implemented software architecture according to the application of Best Practice approaches.
Estimation of costs for subsequent internal maintenance and further development. Evaluation and development of refactor measures.
Technologies: .NET 3.5, Windows Presentation Foundation

04/2011 to 11/2011

Developer / Architect

EuroHypo AG

Management of real estate and rental contracts
Transferring of existing MS Access application to a Windows Presentation-based application. As this was the first WPF-based application, a general architecture model for the application also had to be created. An extended MVVM architecture was implemented. CodeSmith, Avalon.Dock, and the Enterprise Library were used as separate libraries.
Technologies: .NET 3.5, Windows Presentation Framework, Code Smith

06/2011 to 8/2011

Developer / Architect

Lufthansa/Logica

Implementation of an authentication module for SharePoint Foundation. A special SharePoint authentication provider was implemented for an international company in order to be able to use an existing Single Sign On (SSO) infrastructure.
Technologies: SharePoint Foundation 2010, .NET 3.5

09/2010 to 4/2011

Developer / Architect

Mundipharma

KiM – Communication in medicine
Simplification of manual correspondence through an electronic support process in SharePoint Server 2007.

Profile

Marc André Schröder-Zhou



Technologies: SharePoint 2007, .NET 3.5, ASPOSE.WORD

09/2010 to 4/2011	Developer / Architect	dwpbank Frankfurt/M.
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Migration of Lotus Notes to MS SharePoint
Replacement of the existing Lotus Notes infrastructure with a fully Microsoft Windows-based infrastructure. Migration/reimplementation of existing Lotus Notes application in SharePoint 2007. Technologies: SharePoint 2007, .NET 3.5

12/2007 to 6/2009	Developer / Architect	ARC Worldwide
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Information platform for commercial agents of a tobacco company.
Realisation of an internet-based information platform for sales representatives and employees of an international company. The system supports several languages and has its own CMS to maintain the content. Connection and implementation of an interface to the existing SIEBEL system. Technologies: .NET 2.0, ASP.NET, CSS/HTML, JavaScript

7/2006 to 11/2006	Developer / Architect	Deloitte
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Workflow-based form release
Evaluation of the possibilities of mapping a workflow for the release of authorisation requests.
Technologies: MOSS 2007/FormServer and InfoPath 2007, .NET 2.0, ASP.NET, CSS/HTML, JavaScript

3/2006 to 7/2006	Developer / Architect / Admin	Deloitte
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Migration of the 2001 content management server to the 2002 version.
The existing 2001 CMS system served as an intranet and had been used for years. Functions of the 2001 CMS system were adapted in many places. These adaptations were not documented, so they first had to be found and then documented. Then the planning of the migration had to take place and the procedure had to be tested several times.

1/2005 to 1/2006	Developer / Admin	Deloitte
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Introduction of the 2003 SharePoint server.
The possibilities of the 2003 SharePoint server were evaluated and tested. Mr Zhou carried out the installation, testing, and subsequent installation in the productive environment.