

# *Curriculum Vitae*

## **Personal Data**

**Name** Sandra Meyer  
**Address** Rosenrain 11, D-36286 Mühlbach  
**Date of birth** 02.04.1981

## *Contact Data*

**Mobile** +49 (9) 175 660 1299  
**E-mail** info@root-testing.eu



## *Professional Experience*

**since** 2006

## **Availability and conditions**

**Available** from 11.03.2022  
**Remote work** possible, long-term min. 1 day / week  
**Hourly rate** in-house depending on location from 95,- € all-In plus VAT  
remote work from 50,- € plus VAT

## Curriculum Vitae - Summary

Sandra Meyer is a result-oriented Senior Test Manager with a remarkable hands-on-mentality. Based on 10 years testing experience, mainly in testing projects concerning data-intensive applications in finance and logistics, she possesses a wide range of tool and method knowledge.

Her main focus lies in test management, test data management, conception and optimization of audit-proof test processes and test procedures according to ISTQB as well as in test automation.

She is ISTQB Full Advanced certified and was additionally involved in research of methods and standardization for test data management and model-based testing (e. g. an EU research project, expert groups iSQI and ASQF) beside her common project work.

Her strengths in test management lie in planning and coordination of operational tasks beside the parallel implementation of a professionalized test procedure. She has already established test processes several times in running testing projects with an optimized testing procedure and introduced various tools and sub-processes (e. g. change management). Her modified test process were always planned and implemented with great importance to the test performance and an ideal integration of other involved areas such as business departments, architecture and development.



## Core Skills

<b>Testing</b>	<b>11 Years</b>	<b>+++</b>
<b>Test Process</b>	10 Years	+++
<b>Test Planning</b>	7 Years	+++
<b>Test Management</b>	5 Years	+++
<b>Test Professionalization</b>		8 Years +++
<b>Test Organization</b>	5 Years	+++
<b>Test Data Management</b>		7 Years +++
<b>Test Data Design</b>	7 Years	+++
<b>Model Based Testing</b>	2 Years	+++
<b>Test Design</b>	10 Years	+++
<b>Test Automation, BE</b>	8 Years	+++
<b>Test Automation, FE</b>	1 Years	+

## Comprehensive

<b>Project Planning</b>	3 Years	++
<b>Defect Management</b>	8 Years	+++
<b>Change Management</b>		6 Years +++
<b>Requirements RM / RE</b>		6 Years ++

## Curriculum Vitae - Summary

Sandra Meyer is a result-oriented Senior Test Data Manager with a remarkable hands-on-mentality. Based on 10 years testing experience, mainly in testing projects concerning data-intensive applications in finance and logistics, she possesses a wide range of tool and method knowledge.

Her main focus lies in test data management, test management, conception and optimization of audit-proof test processes and test procedures according to ISTQB as well as in test automation.

She is ISTQB Full Advanced certified and was additionally involved in research of methods and standardization for test data management and model-based testing (e. g. an EU research project, expert groups iSQI and ASQF) beside her common project work.

Her strengths in test data management lie in the implementation of high-performance, audit-proof provisioning processes as well as in the functional and test-methodical optimization of test data design. For example, she developed and established a test data design tool and generator, a test data anonymization process and developed a program for model-based generation of test data. As part of her work in the iSQI or ASQF special interest group „Test Data Management“, she contributed to the standardization of test data management.



## Core Skills

<b>Testing</b>	<b>11 Years</b>	<b>+++</b>
<b>Test Process</b>	10 Years	+++
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<b>Defect Management</b>	8 Years	+++
<b>Change Management</b>		6 Years +++
<b>Requirements RM / RE</b>		6 Years ++

## Curriculum Vitae - Summary

Sandra Meyer is a result-oriented Senior Test and Test Automation Expert with a remarkable hands-on-mentality. Based on 10 years testing experience, mainly in testing projects concerning data-intensive applications in finance and logistics, she possesses a wide range of tool and method knowledge.

Her main focus lies on test automation, test management, test data management and on conception and optimization of audit-proof test processes and test procedures according to ISTQB.

She is ISTQB Full Advanced certified and was additionally involved in research of methods and standardization for test data management and model-based testing (e. g. an EU research project, expert groups iSQI and ASQF) beside her common project work.

Her strengths in test automation include backend and interface test automation and the development of test automation frameworks, wrappers, and other test tools. She worked e. g. on the development of a Model Based Testing Tool for generating test cases from abstract test cases and requirements modeled in UML. As part of her work in the special interest group for test data management, she also developed a program for the model-based generation of test data.



## Core Skills

<b>Testing</b>	<b>11 Years</b>	<b>+++</b>
<b>Test Process</b>	10 Years	+++
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## Comprehensive

<b>Project Planning</b>	3 Years	++
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<b>Requirements RM / RE</b>		6 Years ++

## Projects

### Corona - Self Education Phase

**Period** 01/2020 - 12/2022  
**Notes** see sections Languages and Further Education

### Test Automation, Load and Performance Test of a Banking App BE

**Period** 02/2019 - 11/2019  
**Client** anonymous  
**Sector** Banking / IT  
**Role** Test Manager / Test Automation Engineer  
**Functions** Planning, design, execution and defect analysis of a comprehensive Test Automation from Unit Tests to UAT under re-use of existing Cucumber test automation suite and supplemental manual tests  
Consulting, conception & implementation of further test automation strategies  
Conception, automation, execution and analysis of load and performance tests  
**Tools** Jira, Confluence, Slack, Java, Kotlin, Swift, IntelliJ, Docker, Maven, Cucumber, JUnit

### Founding

**Period** 01/2018 - 12/2018

## Test Management of Finance-IT

<b>Period</b>	08/2014 - 12/2017
<b>Client / E'er</b>	GLS IT Services GmbH
<b>Sector</b>	Logistics / IT
<b>Role</b>	Senior Test Lead, Test Designer, Test Automation Engineer
<b>Functions</b>	<p>Test Management (5 testers) for 13 projects (migrations, new developments and mixed projects) for the financial IT systems (e. g. clearing, billing of business and private customers, claims), each from the operative system up to the integration into SAP FI / CO and to the interfaces to reporting and document transmission</p> <p>Reporting to central test management and to the 10 respective project and product managers</p> <p>Support of project and product management, technical and in planning</p> <p>Support of development and requirements engineering across locations in Germany and abroad as well as encouragement of inter-divisional cooperation</p> <p>Conception &amp; implementation of an integrated defect, change &amp; release management process for the finance IT division based on Trac incl. reporting</p> <p>Defect, Change &amp; Release Management for these projects</p> <p>Implementation of an iterating test process according to ISTQB</p> <p>Implementation of a test approach with the highest possible level of automation</p> <p>Coordination of requirements and coordination &amp; execution of UAT and verification tests with the participated departments (e. g. accounting, reporting, controlling, support and operating)</p> <p>Test Environment Management, planning, conception &amp; coordination of a multi-level test environment with separate environments and test databases for developer tests, component tests, integration tests, interface tests, system tests, technical tests, UAT and verification tests</p> <p>Test Data Management and planning, conception and development of a test data provisioning process and of an individual test data design tool and test data generator based on MS Excel / VBA, Java and Bash</p> <p>Test Automation and planning, conception and development of a generic test automation framework with automated reporting and automated, audit-proof backup based on Bash, Perl, Java and MS Excel / VBA as test design frontend</p> <p>Planning, conception and development of interface test tools, wrappers and mocks and other test tools (e. g. for benchmarking), mainly in Java and Bash</p> <p>various test automations and tests in all test levels and test types, e. g. SAP interface, load balancer, task manager, document interfaces</p>
<b>Tools</b>	HP ALM, Trac, Bash, DB2, Java, JBoss, J2EE, MS Project, MS Visio, Perl, Eclipse, NetBeans, Mockito, JUnit, EclEmma, Subversion, CVS, Jenkins, JDBC, SQLite, Redmine, TestLink

## Collaboration iSQI SIG / ASQF Group Test Data Management

<b>Period</b>	05/2013 - 02/2016
<b>Functions</b>	<p>Collaboration in research and elaboration of topics and contents within the special interest group Test Data Management with the goal of creating a certifiable standard for industry</p> <p>Participation in expert group meetings to elaborate different topics</p> <p>Analysis of various business and data-protection requirements from different industries on test data and test data management (e. g. from banking, logistics and insurance sector)</p> <p>Technical papers, e. g. about the integration of test data management into the test automation process or the model-based generation of production-similar synthetic test data</p> <p>Development of a prototype for model-based test data generation</p>
<b>Tools</b>	Java, Eclipse, JML, Eclipse Modeling Framework (EMF), UML, XML, XSLT, SysML, Enterprise Architect, MS Visio

## Test / Test Automation Master Data Management and Core Integ.

<b>Period</b>	07/2013 - 07/2014
<b>Client / E'er</b>	Wirecard AG
<b>Sector</b>	Banking
<b>Role</b>	Quality Engineer
<b>Functions</b>	<p>Collaboration in the SCRUM team as Quality Engineer for the redevelopment of some banking system components (master data management, core connection, customer administration) and REST web services</p> <p>Support in the requirements analysis and specification (User Stories)</p> <p>Reconciliation with stakeholders, product owner, testers and developers</p> <p>Test design and test automation of the regression test and the new user stories</p> <p>Test design and test automation of performance tests</p> <p>Assistance in the acceptance test</p>
<b>Tools</b>	Jira, Zephyr, Eclipse, Mylyn, JMeter, EclEmma, TestNG, Subversion, Jenkins, Java, Selenium, JUnit, soapUI, REST, RESTassured, soapUI, Google Web Toolkit, Apache Tomcat und Webserver, JBoss, Oracle, Hibernate, HSQL
<b>Reference</b>	<p>Peter Spengler, former Lead Operations Architect at Wirecard, IT Architect at GIZS GmbH &amp; Co KG, contact data on request</p> <p><a href="https://www.freelancermap.de/freelancer-verzeichnis/profile/it-infrastruktur/166883-profil-sandra-meyer-testmanager-testdatenmanager-und-testautomatisierung-aus-neuenstein.html#ratings">https://www.freelancermap.de/freelancer-verzeichnis/profile/it-infrastruktur/166883-profil-sandra-meyer-testmanager-testdatenmanager-und-testautomatisierung-aus-neuenstein.html#ratings</a></p>



## **MBT-Project III - Piloting iSQI Certified Model Based Tester**

<b>Period</b>	03/2013 - 05/2013
<b>Functions</b>	Collaboration with the preparation of the iSQI Certified Model Based Tester with the goal of creating a certifiable standard for industry  Participation in expert group meetings to elaborate different topics  Preparation of some documents (training materials, accompanying documents) for an iSQI Certified Model Based Tester Training  Piloting the training
<b>Tools</b>	Eclipse, JML, Eclipse Modeling Framework (EMF), Sparx Enterprise Architect, MS Visio, UML, BPML, SysML

## **Sabbatical**

<b>Period</b>	06/2011 - 02/2013
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## **Implementation of a Test Process, Test, Test and QA Management**

<b>Period</b>	11/2009 - 05/2011
<b>Client / E'er</b>	finaris Financial Software Partner GmbH
<b>Sector</b>	IT-Provider Financial Services
<b>Role</b>	Consultant (Software Test)
<b>Functions</b>	Planning, conception and documentation of an internal QM and test process according to iSTQB for the reintegration of the development of a BI software for automated test and reporting of financial data (e. g. to realize an automated data quality assurance of IFRS reports) from external to internal  Test environment management and test data management  Automation of test data deployment  Test planning, test design, test data design, test automation of functional and technical tests  Review, technical documentation and user documentation  Coordination of an interpreter for the documentation  Conception and documentation of the company-wide CI / CD guidelines for applications, documentation and web presence
<b>Tools</b>	UML, MS Test Manager, MS Visual Studio, MS Team Foundation Server, Java, Eclipse, Mylyn, TestNG, Subversion, Mantis Bugtracker, VMWare, Jira, HP Quality Center, JDBC, Derby, RapidRep Suite, SQL, Oracle, DB2, MS SQL Server, Sybase, Adobe Illustrator

## MBT-Project II - Development Model Based Test Case Generator

<b>Period</b>	12/2008 - 09/2009
<b>Client / E'er</b>	anonymous
<b>Sector</b>	IT / Healthcare
<b>Role</b>	Developer
<b>Functions</b>	<p>Test-driven development of a model-based test case generator for the automated generation of test cases from various UML tools carried out as an agile subproject according to SCRUM as part of an EU research project</p> <p>Development of unit tests and programming, mainly core functionality, extreme programming</p> <p>Integration of the project in Jenkins</p>
<b>Tools</b>	Jira, Eclipse, Java, Subversion, Jenkins, TestNG, Mockito, JMeter, EclEmma, Ant, Sparx Enterprise Architect, MID Innovator, UML, imbus TestBench, Siemens TDE, Doc-To-Help

## Assistance TPI Assessment

<b>Period</b>	01/2009 - 04/2009
<b>Client / E'er</b>	anonymous
<b>Sector</b>	Public Authority
<b>Role</b>	TPI Assistant
<b>Functions</b>	Assist with interviewing and recording as part of a comprehensive TPI assessment for the Centralized Test Center of multiple agencies

## MBT-Project I - Evaluation of Model-based (Test) Tools

<b>Period</b>	05/2008 -10/2008
<b>Client / E'er</b>	anonymous
<b>Sector</b>	IT
<b>Functions</b>	Evaluation of possible model-based test tool chains
<b>Tools</b>	Jira, VMware Workstation, Sparx Enterprise Architect, MID Innovator, MS Visio, UML, XML, XSLT, SysML, Siemens TDE, Eclipse, Eclipse Modeling Framework (EMF), Java, Subversion, CVS

## Various Interface Tests

<b>Period</b>	11/2007 - 05/2008
<b>Client / E'er</b>	anonymous
<b>Sector</b>	IT
<b>Role</b>	Test Designer, Tester
<b>Functions</b>	<p>Test two older wrappers (interfaces between Atlassian JIRA resp. QA-Systems IRqA and imbus TestBench) and test two new developments (interfaces between MS Excel and imbus TestBench - once as a connection of Defect Management and once as a connection of Requirement Management)</p> <p>Test analysis, test design and test execution of component and interface tests according to iSTQB</p> <p>Adjustment of requirements for reengineering two older wrappers</p> <p>Adjustment of requirements for a newly developed wrapper</p> <p>Reporting, defect management and re-testing</p> <p>Support of development to achieve desired goals</p>
<b>Tools</b>	imbus TestBench, Borland CaliberRM, MS Access (as Defect Management Tool), VMWare Workstation, Jira, QA-Systems IRqA, Java

## Mentoring & Coaching for a UAT of a Securities System

<b>Period</b>	06/2007 - 10/2007
<b>Client / E'er</b>	anonymous
<b>Sector</b>	Banking
<b>Role</b>	Coach, Test Designer, Tester
<b>Functions</b>	<p>Methodical support &amp; coaching of the clients functional testers in usage of the test management and defect management tool for the UAT of the migration of a securities system</p> <p>Methodical support &amp; coaching in test design and test execution of functional tests in UAT and verification test</p> <p>Test design based on prose test case descriptions of the participated departments</p> <p>Individual development of a rudimentary parser in VB for data quality assurance of migrated data</p>
<b>Tools</b>	imbus TestBench, OTRS Ticket System, WP2

## Test Java Wrapper for a Migration Project

<b>Period</b>	03/2007 - 05/2007
<b>Client / E'er</b>	anonymous
<b>Sector</b>	Banking
<b>Role</b>	Test Designer, Tester
<b>Functions</b>	Test of a wrapper to establish a tool chain (between OTRS Ticket System and imbus TestBench) for a test project in banking sector
imbus	
partial	Adding of new requirements and adjustment of existing requirements for a reengineering
	Test analysis, test design and test execution of component and interface tests according to ISTQB
	Reporting, defect management and re-testing
<b>Tools</b>	imbus TestBench, Borland CaliberRM, MS Access (as Defect Management Tool), OTRS Ticket System, Python

## Test Reengineering Java-Frontend

<b>Period</b>	01/2007 - 03/2007
<b>Client / E'er</b>	anonymous
<b>Sector</b>	IT
<b>Role</b>	Test Designer, Tester
<b>Functions</b>	Testing a frontend within the scope of a complete redesign of the GUI of a QA tool triggered by the replacement of the GUI library
tool	
partial	Adding of new requirements and adjustment of existing requirements for a reengineering
and	Test analysis, test design and test execution of component tests, interface tests portability tests according to ISTQB
	Reporting, defect management and re-testing
	Support development to achieve desired goals
<b>Tools</b>	imbus TestBench, Borland CaliberRM, MS Access (as Defect Management Tool), VMware Workstation, Java

## Testing of Java Wrappers for Usage in a Test Lab

<b>Period</b>	10/2006 - 12/2006
<b>Client / E'er</b>	anonymous
<b>Sector</b>	IT
<b>Role</b>	Test Designer, Tester
<b>Functions</b> (IBM	Testing of Java wrappers to connect two components of the IBM Rational Suite Rational Clear Quest and IBM Rational Requisite Pro) to the imbus TestBench  Reviews of the requirements and suggestions for improvement  Test analysis, test design and test execution of the regression, component and interface tests according to ISTQB  Reporting, defect management and re-testing
<b>Tools</b>	imbus TestBench, Borland CaliberRM, MS Access (as Defect Management Tool), VMware Workstation, IBM Rational RequisitePro, IBM Rational ClearQuest, MS Windows Server 2003, MS Windows 2000, Java

## Tools

### Project Management

<b>Atlassian Jira</b>	2 Years	++
<b>MS Project</b>	2 Years	++
<b>Redmine</b>	1 Years	++
<b>Slack, Teams</b>	1 Year	+

### Test Management

<b>HP ALM / Test Director</b>	5 Years	+++
<b>Atlassian Jira, Zephyr</b>	1 Years	++
<b>MS Test Manager, MS TFS</b>	1 Years	++
<b>imbus TestBench</b>	3 Years	++
<b>TestLink</b>	1 Years	+

### Test Automation

<b>Java, Eclipse, NetBeans</b>	11 Years	+++
<b>Shell, Perl</b>	6 Years	+++
<b>TestNG, JUnit, JMeter</b>	5 Years	+++
<b>Python, Ruby, VBA</b>	3 Years	++
<b>JBoss, Hibernate, HSQL</b>	2 Years	++
<b>Selenium, soapUI</b>	1 Years	++
<b>Docker</b>	1 Year	+
<b>Kotlin, Swift</b>	1 Year	+

### Data Bases

<b>DB2, Oracle</b>	6 Years	+++
<b>MS SQL, Sybase</b>	2 Years	++
<b>MongoDB</b>	1 Year	+

### UML

<b>MS Visio</b>	6 Years	+++
<b>Sparx Enterprise Architect</b>	2 Years	+
<b>MID Innovator</b>	1 Years	+

## Languages

since 09/1986	C2 German (Native)
since 09/1990	C1 English (~ 6.803 hours)
since 03/2020	B2 Spanish (1.434 hours)
since 09/1992	A2 French (582 hours)
since 12/2020	A2 Finnish (528 hours)
since 01/2021	A0 Norwegian (130 hours)
since 06/2021	A0 Italian (127 hours)

## Certification

04/2015	iSTQB Test Analyst AL
02/2015	iSTQB Test Manager AL
07/2014	iSTQB Technical Tester AL
05/2013	iSQI Model Based Tester
05/2013	iSQI Model Based Tester Trainer
06/2007	iSTQB Certified Tester FL

## Education

2006-2009	Specialised Computer Scientist
1999-2005	Process Engineering, FH Mannheim
1997-1999	Gutenbergschule, Wiesbaden
1991-1997	NAO-Gesamtschule, Bad Schwalbach
1987-1991	Grundschule, Nordenstadt

## Further Education

### Testing Topics

- 10/2021 Diagnostic Thinking
- 10/2021 Performance Audit
- 02/2021 Software Testing
- 05/2020 JavaScript Testing Best Practices
- 04/2020 Android Unit Testing and Test Driven Development
- 04/2020 Management and Facilitation of an After Action Review (AAR)
- 10/2019 Virtualize and Automate Your SAP Testing Using Int4 IFTT
- 10/2019 Human-Centered Design Building and Testing Prototypes
- 07/2019 Basics of Design Testing
- 05/2018 Writing Testable Code for ABAP
- 06/2016 Einfuehrung in die Testgetriebene Entwicklung mit JUnit
- 06/2015 Automated Visual Software Analytics
- 10/2006 imbus TestBench Grundlagen und Testmanagement

### Project Topics

- 11/2021 Crisis Communication
- 11/2021 Agile at Work Building Your Agile Team
- 11/2021 Leading Projects
- 11/2021 Project Management - International Projects
- 11/2021 Microsoft Project 2013 Essential Training
- 11/2021 Project Management Preventing Scope Creep
- 10/2021 PMI MS Project Quick Tips
- 10/2021 Coaching Skills for Leaders and Managers
- 10/2021 Leading Change Through Policymaking
- 10/2021 Agile Foundations
- 10/2021 Environmental Management
- 10/2021 Risk Communication Essentials
- 10/2021 Introduction to Business Management
- 10/2021 Project Management Foundations - Integration
- 09/2021 PMI Managing Project Stakeholders
- 09/2021 PMI Project Management Foundations Risk
- 09/2021 PMI Project Management Foundations Communication
- 09/2021 PMI Project Management Foundations Teams



09/2021 PMI Project Management Foundations Budgets  
09/2021 PMI Project Management Foundations Schedules  
09/2021 PMI Project Management Foundations Requirements  
09/2021 Collaborative Leadership  
08/2021 PMI Project Management Foundations Ethics  
08/2021 PMI Project Management Foundations  
08/2021 Strategic Business Analysis  
08/2021 International Project Management and Future of Work 21.04.2020  
08/2021 Improving Your Conflict Competence  
07/2021 DevOps Foundations  
06/2021 Incident Management System  
06/2021 Inclusive Leadership  
06/2021 Efficient DevOps with SAP  
03/2021 PMI MS Project 2019 and Project Online Desktop  
02/2021 Leading Without Formal Authority  
10/2020 SAP PLM in Process Industries  
04/2020 Project Planning and Management for IT Engineers  
03/2020 Microsoft Project 2013 Training  
10/2019 Agile Project Delivery with Focused Build For SAP Solution Manager  
04/2019 Technologie Strategie und Leadership  
04/2017 Mastering Digital Transformation

## **Team Topics**

01/2022 Diversity and Inclusion in a Global Enterprise  
11/2021 COVID-19 and Work Staying Safe and Healthy During The Pandemic  
11/2021 PMI Essentials of Team Collaboration  
11/2021 Communication within Teams  
10/2021 Creating Change Diversity and Inclusion in the Tech  
10/2021 Communicating about Culturally Sensitive Issues  
10/2021 Empowering Self-Management  
10/2021 Interpersonal Communication  
09/2021 Cross-Cultural Training  
08/2021 Cross-Cultural Features of Personality and Social Behaviour  
08/2021 Connecting Through Talk  
08/2021 Arbeitspsychologie  
08/2021 Exploring Intersectionality and What Makes You Unique  
08/2021 Conflict Resolution Foundations

08/2021 Leading and Working in Teams  
08/2021 Skills for Inclusive Conversations  
07/2021 Communicating with Empathy  
07/2021 Building Human Connection in a Digital World  
07/2021 Enhancing Intercultural Competence and Diversity Sensitivity  
06/2021 Competency-based Learning  
06/2021 Coaching and Developing Employees  
06/2021 Respecting Our Differences Online  
06/2021 De-Escalating Intense Situations  
06/2021 Driving Change and Anti-Racism  
06/2021 PMI Diversity Inclusion and Belonging  
05/2021 Fighting Gender Bias at Work  
05/2021 COVID19 Psychological First Aid  
05/2021 Building High-Performance Teams  
05/2021 Creating a High Performance Culture  
04/2021 COVID19 Helping Young People Manage Low Mood and Depression  
04/2021 PMI Developing Your Emotional Intelligence  
03/2021 PMI Communication Foundations  
02/2021 Communication and Interpersonal Skills at Work  
10/2020 Collaborative Working in a Remote Team

## **Security Topics**

02/2022 Confidential Communication in the Internet  
01/2022 Microsoft Cybersecurity Stack Advanced Identity and Endpoint Protection  
01/2022 Microsoft Cybersecurity Stack Identity and Endpoint Protection Basics  
12/2021 Learning Vulnerability Management  
10/2021 Creating a Culture of Privacy  
10/2021 Learning GDPR  
06/2021 Datenschutz für Einsteigerinnen  
02/2021 Cyberthreats by Malware  
01/2021 Confidential Communication in the Internet  
05/2020 Tatort Internet Angriffsvektoren und Schutzmaßnahmen  
09/2019 Netzwerkvirtualisierung  
07/2019 Sicher per E-Mail kommunizieren  
01/2019 Datensicherheit im Netz Einführung in die Informationssicherheit  
06/2018 IPv6 in modernen Netzwerken  
04/2018 Internet Security Basics

11/2017 Information Security Management in a Nutshell  
04/2016 Sicherheit im Internet

## **Data Topics**

01/2022 Statistics Foundations 2  
01/2022 Infographics Visualizing Relationships  
12/2021 Ethics and Law in Data Analytics  
12/2021 Data Modeling  
12/2021 MongoDB for SQL Pros  
12/2021 Open Data Unleashing Hidden Value  
11/2021 Data Visualization for Data Analysis and Analytics  
11/2021 Creating Interactive Tableau Dashboards  
11/2021 Statistics Foundations 1 The Basics  
11/2021 Statistics Foundations 2 Probability  
11/2021 Learning Data Visualization  
11/2021 MongoDB Basics  
11/2021 Learning Data Analytics  
11/2021 SQL Data Reporting and Analysis  
10/2021 Logistic Regression in R and Excel  
10/2021 Creating a Culture of Privacy  
10/2021 Learning GDPR  
10/2021 The Data Science of Marketing  
10/2021 SAP S4 HANA Embedded Analytics  
05/2021 An Introduction to Process Mining  
02/2021 Python Data Structures  
12/2020 A First Step Towards SAP HANA Query Optimization  
05/2020 Data Science With Python  
05/2020 EU Privacy Laws AWS Build Compliant Data Architectures  
03/2020 Simulation Exercise Management: Introduction  
03/2020 SAP Data Intelligence for Enterprise AI  
02/2020 Data Engineering und Data Science  
11/2019 Introduction to Statistics for Data Science  
12/2018 Modern Data Warehousing with SAP BW/4 HANA  
07/2018 Analyzing Connected Data with SAP HANA Graph  
02/2018 Data Migration to SAP S4 HANA  
01/2018 Big Data Analytics  
12/2017 Data Science in Action - Building a Predictive Churn Model

11/2017 In-Memory Data Management  
10/2017 Big Data with SAP Vora - Engines and Tools  
03/2017 Getting Started with Data Science  
01/2017 SAP BW/4 HANA in a Nutshell  
12/2016 Linked Data Engineering  
11/2016 Semantic Notation - The Next Big Thing in BI  
08/2015 Driving Business Results with Big Data  
02/2015 BI 4 Platform Innovation and Implementation  
12/2014 BI Clients and Applications on SAP HANA  
08/2014 Introduction to SAP HANA  
06/2013 Datenmanagement mit SQL

## **Dev Topics**

11/2021 Engineering for the Future  
11/2021 Principles of Engineering  
11/2021 Künstliche Intelligenz und Maschinelles Lernen in der Praxis  
11/2021 Java Build Automation With Maven  
08/2021 DevOps Foundations Continuous Delivery Continuous Integration  
04/2021 Introduction to Physical Computing  
04/2021 Python Skills for Handling Biological Data  
02/2021 Kotlin  
02/2021 Intermediate Python  
12/2020 Knowledge Graphs  
10/2020 Computational Learning Theory and Beyond  
10/2020 Künstliche Intelligenz und maschinelles Lernen für Einsteiger  
07/2020 Python Core  
07/2020 Lets Git Versionsverwaltung und OpenSource  
05/2020 Learn R for Business Analytics from Basics  
05/2020 Angular & NestJS  
05/2020 React & Redux  
05/2020 R Basics R Programming Language Introduction  
05/2020 Swift  
04/2020 Praktische Einführung in Deep Learning für Computer Vision  
03/2020 Ruby  
07/2019 Creating Trustworthy and Ethical Artificial Intelligence  
10/2018 Programmieren mit Ruby  
12/2017 Enterprise Deep Learning with TensorFlow

10/2017 Einfuehrung in die Mathematik der Algorithmik  
05/2017 Developing Java-based Apps on SAP Cloud Platform  
04/2017 Objektorientierte Programmierung in Java  
04/2017 Maschinelles Lernen  
04/2017 Web-Technologien 2017  
10/2014 ABAP Development for SAP HANA  
03/2014 Parallel Programming Concepts  
07/2013 Web-Technologien 2013  
05/2013 Semantic Web Technologies

## **Design Topics**

01/2022 Mapping the Modern Web Design Process  
01/2022 Accessibility for Web Design  
11/2021 UX Foundations Research  
10/2021 Digital Skills User Experience  
10/2021 Responsive Layout  
10/2021 Digital Accessibility for the Modern Workplace  
10/2021 Designing for a Sustainable Future  
08/2021 Practice Change - Concepts and Applications  
08/2021 Build Better Products with a Human-Centered Product Backlog  
04/2021 Responsive Web Design  
03/2021 Java Design Patterns and Architecture  
12/2019 Be Visual Sketching Basics for IT Business  
07/2019 Business Processes Modeling Simulation Execution  
06/2019 Beyond Brockhaus Thinking With Design Thinking to a Networked Culture  
11/2018 Copywriting - Improve UX One Word at a Time  
10/2018 Introduction to SAP Enterprise Architecture Designer  
10/2018 Human-Centered Design From Synthesis to Creative Ideas  
07/2018 Basics of Design Research  
06/2018 Information Service Engineering  
11/2017 Using SAP Screen Personas for Advanced Scenarios  
10/2017 Inspirations for Design A Course on Human-Centered Research  
03/2017 Introduction to SAP Screen Personas  
06/2016 Business Process and Decision Modeling  
02/2016 Knowledge Engineering with Semantic Web Technologies  
12/2015 Software Design for Non-Designers  
06/2015 Creating Business Value with UX

