

## Personal Information

Name Mark Sebastian  
Year of Birth 1961  
Residence Bonn, Germany  
Citizenship German



**Area of Focus** test management, quality management

## Strengths

Software Development long-time experience with the complete software development process  
excellent understanding of technical matters  
pursues high level of software quality

Working Style analytical thinking  
systematic planning of objectives and operations  
accurate execution and monitoring

Communication constructive dialogue, can accept a compromise  
precise reports, structured documentation  
very good English in speech and in writing

Productivity first output after one week - at the latest

## IT Skills

Test methods test planning, blackbox/whitebox tests, reviews, TPI

Test management tools Quality Center, ClearQuest, SCTM, imbus Testbench

Test automation tools SilkTest, Selenium, JUnit, proprietary tool for telematic infrastructure

Programming languages JavaScript, Java, VBA, Unix Shell, C, Pascal, Lisp; SQL

Operating systems Windows, Linux, MacOS, MS-DOS, CP/M

Software engineering UML, Agile Software Development, German V-Model XT

Internet HTML, CSS, XML, HTTP, SSL/TLS, FTP, TCP/IP, ARP

Quality Management ISO 9001, ISO 250xx, ISO 33001, ISO 24765

## Other Skills

Project management requirements specification, project planning, progress tracking

German law computer law, trade law, public procurement law, administrative law

Communications Engineering basic knowledge: amplifiers, transmitters, receivers, antennae

## Education

Continuing Education	Release Management	2019
	Test Data Management	2019
	JavaScript and CSS	2018
	Quality Management	2017
	Exploratory Testing	2016
	TPI Next	2013
	Cryptography	2012
	International Private Law	2010
	Public Key Infrastructure (PKI)	2009
	Web Services	2008
	Finance and Decision Theory	2007
	Financing	2004
	Public Procurement Law	2003
	Firewalls	2000
	Certificates	ITIL Foundation (v3.2011)
Certified Agile Tester (iSQI)		2012
Certified Professional for Requirements Engineering (IREB)		2010
Certified Tester - Advanced Level - Technical Test Analyst		2009
Certified Tester - Advanced Level - Functional Tester		2008
Certified Tester - Advanced Level - Test Manager		2007
Certified Tester (ISTQB) - Foundation Level		2006
Universities	Law (10 study modules with successfully passed exams)	2004 - 2011
	Business IT (German degree equivalent to B.Sc.) (distance learning beside work)	1989 - 1994
	Pedagogics (German degree equivalent to M.A.) (major: adult education; minors: psychology, sociology)	1981 - 1986

## Language Skills

German	C2 (Proficient – native speaker)
English	C1 (Advanced)
French	B1 (Intermediate)
Spanish	A1 (Beginner)

according to the Common European Framework of Reference for Languages

## Private Interests

Favourite writers, fiction	Stanisław Lem, John Irving, Marcus Elsberg
Favourite writers, non-fiction	Daniel Dennett, Sam Harris, Hans Joachim Störig
Favourite magazines	c't Magazin, Psychologie heute, Bild der Wissenschaft
Music	Jazz, Rock, Classical, 20 <sup>th</sup> and 21 <sup>st</sup> century music
Yoga	Physical aspects, philosophical aspects, conduct of life

## Projects as a freelancer

### CDS

*Period:* since 09/2019

*Business:* textile and apparel industry

*Subject:* definition, development, release, and operations of a database on sustainable supply chain certification in the textile and apparel industry

*Software Tools:* MS Office, ChainPoint Supply Chain Management Software

*Tasks:* organisation and operation of all relevant areas:

- contract negotiation with cooperation partners
- requirements engineering
- checks on development
- test
- rollout and introduction plan
- operational concept
- user training
- quality management

### QM Initiative

*Zeitraum:* 05/2018 - 12/2019

*Branche:* telecommunications (same customer as before)

*Subject:* inception of a release policy  
inception of a test data management approach  
inception of the organisational test strategy  
inception of a template for test plans  
inception of a knowledge base on testing topics  
introduction of a quality management system (QMS) for the IT department consisting of a mix of agile and conventionally working teams

*Software Tools:* Confluence, Jira, MS Office, Citrix client, Quality Center

*Tasks:* Analyses, proposals and elaboration for all relevant aspect of the subjects listed above:

- development of concepts
- harmonisation of ideas with stakeholders
- analyses of problem areas
- preparation of the pilot phase
- coaching during introduction of the new approach

### **BSS Test**

*Period:* 07/2017 - 04//2018  
*Business:* telecommunications  
*Subject:* order management  
- entry  
- processing  
- post-processing  
*Software Tools:* Xray/Jira, SQL Developer, Confluence  
Web applications, REST services  
*Tasks:* testing expert in an agile development team  
- test design incl. test case specification  
- test execution: manual tests; defect documentation and retest  
- test management: reorganisation proposal for regression tests

### **QA Strategy for Migration**

*Period:* 10/2016 - 03/2017  
*Business:* logistics  
*Subject:* quality assurance strategy for the migration from a self-bred inhouse software solution to a commercially available software solution  
*Software:* MS Office suite  
*Tasks:* QS specialist:  
- analysis of QA tasks and development of a risk oriented QA strategy for the migration of an inhouse software solution to a commercially available software solution  
- evaluation matrix for quality management by software vendors

### **Testfactory**

*Period:* 10/2013 - 09/2016  
*Business:* civil service  
*Subject:* consulting for test managers and testers  
*Software:* Silk Central Testmanager 16.5; Silk Test; Innovator 11.2; VBA  
*Tasks:* consulting for test managers and testers:  
- definition of test and consulting processes  
- collaboration on test strategy document and template for test plans  
- detailed elaborations on risk oriented testing  
- plan and conduct workshops and presentations  
- individual consulting  
- quality assessment for test automation approach including development of VBA scripts for quality assessment tasks

## **Electronic Health Card 2**

*Period:* 08/2012 - 09/2013  
*Business:* health care  
*Subject:* telematics infrastructure for the electronic health card; PKI  
*Software:* ClearQuest, ClearCase; Web Services, SOA; Jira; Wireshark  
*Tasks:* Test management:  
- concepts for test design process  
- concept for risk oriented testing  
Test design and test automation:  
- design and specification of test cases  
- architecture of the test script library  
Team lead of the test team for application services (5 team members)

## **ePricing 2**

*Period:* 04/2011 - 06/2012  
*Business:* aviation  
*Subject:* prices and charges for air cargo  
(avoidance of manual "interfaces")  
*Software:* imbus TestBench, SOA, JMeter, soapUI, loadUI  
*Tasks:* Test management:  
- concept risk oriented testing  
- test progress reporting incl. forecast;  
load and performance tests:  
- test design and test management

## **eFiles**

*Period:* 06/2010 - 02/2011  
*Business:* civil service  
*Subject:* document management system  
(including scanning of documents)  
*Software:* Silk Central Test Manager, Serena Business Mashups  
*Tasks:* Test Management:  
- preparation and control of acceptance tests  
Test Design:  
- contingency tests, load and performance tests, technical tests  
Defect Management:  
- defect evaluation, coordination with contractors

### **Electronic Health Card 1**

*Period:* 06/2008 - 03/2010  
*Business:* health care  
*Subject:* telematics infrastructure for the electronic health card; PKI  
*Software:* Rational ClearQuest, Rational ClearCase, Tomcat, Oracle Weblogic, AutoHotKey, Toad, WireShark; Web Services, SOA  
*Tasks:* Test design:  
- test case specification  
- advancement of test methods incl. approach for risk oriented testing  
Test automation:  
- design and implementation of a test script library  
- test suites for automated regression tests  
Team leader of the implementation team (4 team members)

### **Dynamic Pricing**

*Period:* 02/2008 - 05/2008  
*Business:* aviation  
*Subject:* flexible pricing for flight bookings (integration testing)  
*Software:* imbus TestBench, Amadeus, Unisys-Host, Oracle SQLDeveloper, EDIFACT; SOA  
*Tasks:* Test design:  
- definition of test cases based on use cases  
- generic approach for interface tests  
Test execution:  
- development of a log file extraction tool

### **Alg 2**

*Period:* 11/2006 - 12/2007  
*Business:* civil service  
*Subject:* web application for the administration and payment of unemployment compensation (stage 2, long-term unemployment)  
*Software:* Windows XP, Solaris; web services with WASP; Informix database; TestDirector  
*Tasks:* Test design:  
- test design and test case specification  
- specification of test data  
Test management:  
- generic concept for end to end testing with use cases  
vice team leader (6 team members)

## **Passport**

*Period:* 08/2006 - 10/2006  
*Business:* print  
*Subject:* passport personalization for a foreign state  
(software-based production control)  
*Software:* Windows XP, Linux 9.x; Web-Services with BEA WebLogic Server;  
Oracle 10 g; PKI system; proprietary production hardware  
*Tasks:* Test analyst:  
- review of requirements specification (in English)  
- test specification (in English)  
- generation of test data (with VBA and Java 5)  
- test automation (with Autolt 3.1)

## **ProjIZ**

*Period:* 06/2005 - 07/2006  
*Business:* business consulting  
*Subject:* project database: projects, customers, consultants, activities etc;  
web-based frontend  
*Software:* server: Linux, PostgreSQL, Ruby on Rails  
clients: Windows 2000/XP, Linux  
*Tasks:* Project management:  
- concept, requirements specification  
- tender according to German procurement laws  
- tracking of action items;  
Quality control:  
- test of migration system  
- test of user interface, acceptance tests, data validation

## Projects as an independent software developer

### Higher Education Compass

*Period:* 1995 - 2005  
*Business:* higher education  
*Subject:* information system of the German Rectors' Conference (HRK):  
all German universities, their degree programmes, and their international  
cooperation; special features:  
- multilingual web version: German, English, Spanish  
- several database publishing functions for print products  
- dedicated interfaces for cooperation partners of HRK  
*Software:* in-house system: client/server system 4th Dimension Mac + Windows;  
web system: 4th Dimension under Windows NT4, temporarily MS IIS  
*Tasks:* technical project management, system design, implementation, test  
concept, unit tests, system and user documentation

### Admidat

*Period:* 1992 - 1994  
*Business:* publishing  
*Subject:* order management, order acquisition module, interface to accounting  
system; database publishing  
*Software:* 4th Dimension/4D Server  
*Tasks:* project management, definition of functional requirements,  
implementation, testing, documentation, user support

## Projects as an employee

### D2 Mission

*Period:* 1988 - 1992  
*Business:* manned space flight  
*Subject:* Second German Spacelab mission  
*Software:* proprietary hardware facilities and software  
*Tasks:* development and test of Payload Flight Procedures

### XPS Automobile Electronics

*Period:* 1987 - 1988  
*Business:* automotive  
*Subject:* expert system (XPS) for diagnosing faults in automotive electronics  
*Software:* Golden Common Lisp under MS-DOS  
*Tasks:* implementation and test of two test modules for automotive electronics



**Customer References** (translations; original references verified by project portal GULP\*)

- Testfactory The consultant has a very extensive und outstanding knowledge that he always used in a reliable and effective manner. He was up to speed in a very short time. He pursued the agreed goals in a highly successful and sustainable way. He was very reliable. His style of work can be characterized as systematical and carefully planning. Even under a high workload the consultant's work capacity did not deteriorate; he acted with consideration and towards our goals at all times. The results produced by his work were always very impressive. His conduct towards our internal customers, his superiors, his colleagues as well as toward our external partners was flawless. I am highly confident that he will remain to be extremely successful.
- Project ePricing 2 The consultant moved proficiently between tasks that required a high level of detail and discussion with technical experts and tasks that mandated a strategic view and involved the presentation of complex topics to our management. His contributions had a very considerable impact on the successful introduction of the system.
- Project Electronic Health Card The consultant participated in testing of a central component of the telematics infrastructure for Germany's Electronic Health Card. He got into our test automation concept very quickly where he did quite some refactorings of our test scripts, which led to a degree of organisation we are proud of. He introduced many concepts that significantly improved our test process, among them peer reviews, a model for risk based testing, a concept for automatic test script generation from test case specifications. The consultant was well liked and reputed among his colleagues and with his superiors. He proved himself team leader of our test automation team. I'd recommend him for difficult tasks requiring a sound concept as well as a pragmatic approach.
- Project Hochschulkompass The freelance person was in charge of the project on the contractor side from its start. Through several steps he realised the project with a small team of developers. We'd like to mention his pronounced conceptual abilities, his constructive manner of cooperation not only in technical matters, and his very fine documentation. The freelancer exhibited a very high commitment to the project and was appreciated as a competent and well-liked contact person by internal and external users alike. The freelancer managed to sustain his high performance level from the beginning to the end of the project. We can therefore gladly recommend him without any reservations and wish him well for his future undertakings.

---

\* <http://www.gulp.de>

## Contact Data

Firm	Sebastian & Partner EDV-Beratung GmbH
Phone	+49 228 390 2880
E-Mail	ms@sebastian-partner.de