

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	Business Process Model and Notation	2020
	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)	2013
	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 th and 21 st 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 and management*
- checks on development*
- test*
- rollout and introduction plan*
- operational concept*
- user training*
- quality management*

QM Initiative

Period *05/2018 - 12/2019*

Business: *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 Tools: *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 Tools: *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 Tools: *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 Tools: *imbus TestBench, SOA, JMeter, soapUI, loadUI*
Tasks: *Test management:*
- concept risked 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 Tools: *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 Tools: *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 Tools: *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 Tools: *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 Tools: *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 Tools: *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 Tools: 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 con-
cept, 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 Tools: 4th Dimension/4D Server
Tasks: project management, definition of functional requirements, implementa-
tion, testing, documentation, user support

Projects as an employee

D2 Mission

Period: 1988 - 1992
Business: manned space flight
Subject: Second German Spacelab mission
Software Tools: 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 Tools: 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

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