

Profile

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Software Engineering
System Consulting / -Engineering
Methodology Consulting



Reischenhart,
July 20th 2011

Dear ladies and gentlemen,

on the following pages I will try to present myself in a well arranged way.

Not so easy, after some 18 years with more or less interesting and sometimes peculiar objectives. Hence I try to follow a red thread to bring you from the general into the special. The structure is as follows:

- Narrative
- Position statement
- About my person
- Overview of skills
- List of projects
- Business processes and branches
- Table of skills
- Closing words

I intend to present this profile in the possibly easiest way to be read. With exception of the narrative, it should not be required, that you read everything, but only the items, you are really interested in.

Best regards

Sophie Yaëlle Schlichting

Narrative

With this profile I promise you a „what you see is what you get“.

I want to stay honest and will not exaggerate my skills.

Recently I met with a colleague and of course we also talked about computer science. She said, that nobody can be really good in more than three fields. I am only too willing to agree with this. The question is: What are my three fields?

I am a UNIX-native. I know a lot about UNIX, but not everything. It's almost impossible to know more than a few percent but I am in the position to adapt to almost every skill requirement as far it concerns this operating system. I am good at UNIX system programming, I know the UNIX-IPC back and forth, socket programming and I know about sophisticated client/server technologies. The key is, that I am striving for efficient data structures for the sake of high performance process communications.

My second field is a cycle of system analysis, business process analysis and -modelling, requirements elicitation, -engineering and -management.

My third field? There is not really a third field. I always tried to go into deep with a wide amplitude. Programming UNIX-Systems of course lead to knowledge in system administration. I know programming languages and databases. Not only SQL but also quite a bit about database administration. I know a little more than average about transactions. Not only for databases but about transactions in concurrent systems in general.

Yes, this is it: Knowing a little more than average about lots

lex and yacc, data representations, programming languages, databases, systems, hardware.....

And there are a few fields I am not good at. It starts, that I would feel ashamed, if I tell my customers, I was a UNIX expert, open my laptop and there is a Windows operating system on it. Of course I am working with UNIX/Linux myself. And yes, of course, I am able to install and administer a Windows Server operating system. I will get this done within a reasonable time. Nevertheless I would recommend my customers, to give this work to somebody else.

Position statement

I am not a „Me-Plc“.

As a freelance computer scientist I am targeting tangible objectives. It is not only about making money, I love my profession.

I want to create tools and processes, which make our lives easier!
I am not here to solve problems, that wouldn't exist, if I wasn't there.

I am measuring my work against the following corner stones:

- Consulting must consider the users effective needs
- Processes must be as simple as possible
- A solution must not be more complex than the problem
- A solution must be comprehensible and testable
- The principles of orderly data processing
- Due diligence
- Documentation is written to be read and understood and not for itself
- You remain the owner of your data and you must remain free to do with it whatever you want

You cannot test quality into a product. Making quality starts with the very first customer interview.

About my Person

Date of Birth:	December 9 th 1965
Nationality:	German
Residence:	Binderweg 2 83064 Raubling-Reischenhart Germany
Martial status:	divorced, 2 children
Language skills:	German (native), English (proficiency), French (beginner), Russian (beginner), Hebrew (beginner)
Availability:	worldwide, part time

Overview of Skills

This section gives you an overview of the professional focus

- UNIX
 - System Programming
 - System Administration
 - Backup & Recovery
- Client/Server Programming
 - Pipes, Sockets
 - ONC/RPC, CORBA
 - Shared Memory (incl. mmap)
 - message queues
- Databases (programming and administration)
 - Oracle 10g and 11g
 - Informix
 - PostgreSQL
- SA/SD, UML
- Application Development
 - K&R-C, ANSI-C 89, ANSI-C 99
 - pre-ANSI-C++, ANSI-C++
 - make, makefiles, rcs/cvs, lint, gdb. profiling
 - POSIX 1003.1 (a thru d)
 - SQL, embedded SQL, procedural SQL
 - Shell Script, Tcl/Tk
 - Prolog
- Methodology
 - CMM/CMMI
 - ISO/IEC 15 504
 - GoDV
 - PMBOK
 - Requirements Engineering and – Management
 - Knowledge Management, Knowledge Balances
 - Disaster Recovery Planning

List of Projects

- **Clinical Study „Partnership for the Heart“ - on behalf of Robert Bosch GmbH (Stuttgart/Berlin, Germany)**
since September 2006 (freelancer)
System architecture for software integration, architecture, design and development of a real-time streaming proxy for mobile-IP (GPRS) streaming ECGs, system engineering, testing, system administration
SLES 10, RHEL 5.x, FreeBSD 6.x, Windows Server 2003, Windows XP, ANSI-C 89, Tcl/Tk, Samba, Twiki, Nagios, Oracle 10g and 11g, UNIX backup&recovery, storage management, VMware Server,
- **Siemens Medical Solutions (Erlangen, Germany)**
May 2006 – September 2005 (freelancer)
Consulting on Systemanalysis and Requirements Engineering
RequisitePro
- **University Hospital Basel (Basel, Switzerland)**
January 2006 – March 2006 (employment)
Managing computer scientist for cross-section services
central lab, pathology, pharmacy, surgery, radiology, radio therapy, nuclear medicine
Roll out of Windows XP for 700 users.
Twiki, MS-Office, Windows XP, FreeBSD 6.0, Novell ColsoleOne
- **Siemens Medical Solutions (Forchheim, Germany)**
February 2005 – December 2005 (freelancer)
Consulting for requirements engineering with respect on interoperability between DICOM modalities according to IHE profiles, actors and transactions. Bugtracking for Leonardo DICOM-Workstations
UML, SA/SD, Prolog, Twiki, Linux, Windows XP, Cygwin, ClearQuest, ClearCase, ANSI-C++, DICOM, IHE
- **Infineon AG (Munich, Germany)**
July 2004 – January 2005 (freelancer)
Preparation of a public tender for a requirements management tool.
Consulting and training for CMMI Level 2 rollout
Requisite Pro, XML, MS-Project, Ruby, ClearCase, FrameMaker, Cygwin, WindowsXP
- **Waterworks Maastricht (Maastricht, Netherlands)**
February 2004 (freelancer)
Consulting on porting feasibility of a billing application from Solaris to AIX
*UNIX (Solaris, AIX), ANSI-C 89, Oracle, embedded SQL (Pro*C), make, SQLnet*
- **Clinic for Neuro-Pediatrics, dept f. Epilepsy Surgery at Behandlungszentrum Vogtareuth (Vogtareuth, Germany)**
June 2002 – December 2005 (freelancer)
UNIX system administration, development of an archive system for EEGs, development of a concept for a electronic patient record which was intended to feed a data warehouse, development of a network backup-system for the UNIX-systems. Temporarily I also provided IT support for the whole clinic after an IT-disaster in the MS-Windows field.
UNIX (HP-UX, Linux), Windows XP, Samba, NFS/NIS, C, gprof, shell script, PostgreSQL, Twiki, UNIX backup&recovery, DICOM, TeX

- **Adult Education Center - Mühldorf, Employment bureau – Pfarrkirchen and the Chamber of commerce and Industrie – Munich (Mühldorf, Germany)**
June 2002 – August 2003 (freelancer)
Lecturer for the education of IT-specialists
UNIX (Linux), Windows XP, ANSI- C 89, ANSI-C++, SQL, SMB/CIFS, NFS/NIS, SA/SD, UML, algorithms, configuration management, CVS
- **Kayser-Threde (Munich, Germany)**
September 2001 – April 2002 (freelancer)
Development of a real-time compression unit for real-time streaming measurement data. The compression unit was intended to intercept the stream, de-multiplex and compress the data and generate data blocks which exactly fit in the expected buffer sizes of Kayser-Thredes real-time archive. Of course, it had to work bidirectional.
UNIX (Irix), ANSI-C 89, shared memory, sockets, pixie (profiler), Doors
- **European Southern Observatory (Garching, Germany)**
December 2000 – June 2001 (employment – Intl. Staff Member)
Bug fixing in the newly finished java based version of P2PP (Phase 2 Proposal Preparation)
UNIX (HP-UX), Java 1.2, make, cvs, TeX
- **Cellway GmbH, today only a brand of mobilcom Communicationstechnik GmbH (Hallbergmoos, Germany)**
May 2000 – October 2000 (employment)
Management of a software development dept., restructuring of a number of stuck projects, Intelligent Agents, implementation of a competence center for quality assurance
UNIX (Solaris), C, Oracle Forms, Informix, Ingres, lex, EDIFACT, MS-Project
- **Atos Schweiz AG – today known as „Atos Origin“ (Wallisellen, Switzerland)**
April 1999 – March 2000 (employment)
CRM, switch mediation (GSM) and Pre-Payed Billing (GSM)
UNIX (Solaris, AIX, Linux), C, proprietary message queue, soeckets, ONC/RPC, SQL, embedded SQL, Oracle, UNIX Backup & Recovery, RCS
- **Infobrain AG (Effretikon, Switzerland)**
June 1998 – March 1999 (employment)
Unfortunately I am not permitted to say anything about my job there.
- **Motorola Semiconductor Product Sector – today known as „freescale“ (Munich-Trudering, Germany)**
February 1992 – June 1998 (employment)
Peer-Auditing on system security
Software development f. Export control, foreign trade statistics, freight- and warehouse logistics
*UNIX (SVR 3.2, AIX), C, sockets, RCS, SQL, embedded SQL
Informix, Oracle, I4GL, shell-script, FrameMaker, VM, IMS, TSO*

Business processes and branches

- CMMI
- Tele-Medicine
- Neurology/Epileptology/Neuro-Psychology
- Radiology
- Optometry
- Billing, Self-Billing
- Purchase requisition
- Freight logistics
- Customs procedures
- Export controll
- CRM (end customer)
- Scientific proposal preparation
- Order management
- Suplly chain management
- Material pull system
- Shipment tracking

Table of Skills

Type of Application	Product	Last used	Experience in years
Operating Systems	SVR3.2	06.1998	6
	SVR 4	06.1998	2
	NeXTStep	04.2000	8
	AIX 4.x, 5.1	02.2004	6
	Solaris 2.x, OpenSolaris 2009.06	02.2009	7
	HP-UX 10.22, 11	01.2006	5
	Irix 6.x	03.2004	1
	Linux (RedHat, SuSE, Debian)	Today	13
	FreeBSD	Today	6
	OS/390	04.1999	1
	VM, IMS, TSO	04.1999	7
	Windows	Today	10
	Novell	03.2006	¼
	Vmware	02.2010	3
	Xen	02.2010	little experience
	Heartbeat	02.2008	little experience

Type of Application	Product	Last used	Experience in years
Standard Applications	Mobia (GSM-Billing)	03.2000	1
	SICAP (GSM-Billing)	03.2000	1
	Artemis Schedule Publisher	06.1998	2
	MS-Project	04.2007	4
	FrameMaker, Scribus, TeX	02.2010	8
	MS-Office, OpenOffice	02.2010	6
	DOORS	04.2002	1
	Requisite Pro	09.2006	1
	CaliberRM	12.2005	1
	Vangard (EEG-System)	01.2006	3
	ClearQuest	12.2005	1
	Twiki	01.2010	5
	Nagios	01.2010	2

Type of Application	Product	Last used	Experience in years
Databases	Oracle 10g, 11g	Today	7
	Informix SE 4 and 7.24	06.2005	10
	Informix IDS 7.3	06.2003	2
	DB2	04.1999	1
	PostgreSQL 7.4 thru 8.4	04.2009	5
Programming Languages	K&R C ANSI-C/89 ANSI-C/99	Today	14
	Object oriented development in ANSI-C	12.2007	8
	C++	06.2005	4
	Java	06.2005	1
	Tcl/Tk	Today	2
	Prolog	08.2005	1
	Embedded SQL (Pro*C, esql/C, ecpg)	12.2008	12
	4GL (I4GL, Forms, Reports)	10.2000	8
	Shell Script	Today	16
	sed & awk	Today	5
	CWEB	12.2007	1
	Forth83	12.2000	1

Type of Application	Product	Last used	Experience in years
Libraries and Technologies	XML (libxml2)	02.2007	½
	Client/Server (ONC/RPC, Corba, DCE/RPC, Sockets, SOAP)	09.2007	9
	lex & yacc	10.2000	1
	Pthreads	07.2007	2
	X11/Motif	09.2004	3
	POSIX	09.2007	10
	dbm, ndbm, gdbm	06.2004	3
	Swing (Java)	06.2001	1
	RMI (Java)	06.2001	1
Tools	Make & Imake	09.2007	10
	Sniff+	04.2000	1
	CVS/RCS	12.2008	6
	lint	09.2007	8
	ClearCase	12.2005	½
	Debugger, gdb, sdb, dbx	09.2007	12
	Profiler gprof, pixie	09.2007	8
	Jboss	02.2010	1

Closing words

As for all files, which are available OnLine, this profile is outdated once it resides as a copy in your file system or you have printed it.

Only the version on my computer is up to date.

Once you process this profile to bring it into your corporate format, the responsibility for it's content lies with you. You are also responsible, that you are using the most recent version of my profile.

I see myself unable to follow up who is downloading, storing and processing my profile. Hence I expect, that everybody who is using my profile is taking care of this circumstances.

At last I would like to apologize for this bulky conditions, These restrictions are necessary to protect the interests of my former customers respectively my former employers (I mean a particular former employer)

Upon request, I am able to provide this profile in the following file formats:

- Open Document Format (Open Office)
- Rich Text Format (MS-Word)