



## Europass Curriculum Vitae

### Personal information



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Nationality German  
Date of birth 17 July 1968  
Gender Male

### Desired employment / Occupational field

**Software and Data Management Engineer**

### Work experience

Dates	01 June 2008 - 31 May 2012
Occupation or position held	Unix System Software Engineer & Multi Mission Software Librarian with Eumetsat
Main activities and responsibilities	<ul style="list-style-type: none"><li>- Design and Implementation of a Business Continuity / Disaster Recovery Management System and Framework, including asset analysis and test/training/exercise programme</li><li>- Shell Scripting (sh, ksh, bash, bsh, csh, zsh) and Perl, sed, awk scripting</li><li>- Development of application software to automatically list all activated software items within a heterogeneous computer environment and deliver the results via email</li><li>- Change Management, Software Build Management and Tools (Serena Dimensions, IBM LPPs, SUN packages, Linux rpms with spec files, make, imake, ant, build.xml etc.), Software Installation and Rollout</li><li>- Maintenance of source code control systems like cvs and subversion with their repositories</li><li>- Shaping of software build environments according to business continuity demands</li><li>- Unix administration and its automation</li><li>- Installation, maintenance, administration of the IBM AIX 5.1, 5.3 and 6.1 operating system (as well as Linux, Sun, MS Windows) and configuration of virtualised system environments</li><li>- Development of software to remotely and securely check, mount and unmount a software-encrypted USB stick for securely commanding a spacecraft</li></ul>
Dates	01 June 2005 - 31 May 2008
Occupation or position held	UNIX System Software Engineer with Eumetsat
Main activities and responsibilities	<ul style="list-style-type: none"><li>- Shell Scripting (sh, ksh, bash, bsh, csh, zsh) and Perl, sed, awk scripting</li><li>- Change Management, Software Build Management and Tools (Serena Dimensions, rpms, spec files, IBM and SUN packages, make, imake, ant, build.xml etc.), Software Installation and Rollout</li><li>- Maintenance of source code control systems like cvs and subversion with their repositories</li><li>- Unix administration and its automation</li><li>- Installation, maintenance, administration of the IBM AIX operating system Version 5.1 and 6.1 for approximately 300 nodes in all segments of the EPS ground station; administration of SuSE Linux Enterprise 9, SUN Solaris 10 and Windows 2000 / XP systems</li><li>- Configuration of virtualised system environments, virtualisation</li><li>- Automation of Unix administration tasks, scripting of failover solutions</li><li>- On call 7/24 for one to two weeks per month</li><li>- Design and development of scripts for process automation and maintenance of the system environment</li><li>- Processing of change requests using Serena Dimensions management software</li></ul>

	- Planning, setup, monitoring of backups using Tivoli Storage Manager (TSM 5.3) and Veritas Netbackup
Dates	01/03/2000 - 30/06/2005
Occupation or position held	Senior IT Consultant with Allianz / Dresdner Informationssysteme GmbH
Main activities and responsibilities	<p>Job Scheduling, scripting/programming, administration as follows:</p> <ul style="list-style-type: none"> <li>- Job Scheduling with the systems management software suite IBM Tivoli Workload Scheduler (TWS): design of the architecture in the company (Unix / Windows / IBM Host), TWS consulting, software installation and -configuration, expanding the TWS network, support, monitoring, reporting</li> <li>- TWS 7/24 telephone support for operations with remote access to the customer's network</li> <li>- IBM Tivoli software distribution: automatic distribution of new software releases and -patches to the clients within the Unix network (shell scripts with Tivoli commands and a Tivoli desktop, developed with Tivoli Task Library Language TLL)</li> <li>- IBM Tivoli Monitoring and Tivoli Enterprise Console: monitoring of the TWS network, development of an interface to the Tivoli tecad process (Tivoli Enterprise Console Adapter) from the enterprise console.</li> <li>- IBM Tivoli Storage Manager (TSM, former ADSM): integration of TSM backup tasks in TWS, autom. backup of TWS data with TSM, restore using TSM</li> <li>- Software Infrastructure Services: development of scripts, programs, modules (Perl, ksh, bash, sed/awk) in order to automate and simplify administration, workflow and management processes</li> <li>- Independent design and development of a software distribution process and application (integrating Tivoli Software Distribution) and subsequent automatic Tivoli Workload Scheduler configuration of the target nodes / clients, allowing to add new TWS Clients by simply starting a script</li> <li>- Enhancement of the functionality of the IBM product TWS, e.g. by developing an exitcode daemon (Perl/Shell), which affects the flow control of processes depending on the exit code of a predecessor.</li> <li>- Development of a complex language parser using lex/yacc (C/C++), to transform the ASCII coded TWS object definition language in csv files to be imported by databases like Sybase and mysql. This made it possible to automate filling a database with the daily updates of all object changes and job executions for reporting to the management.</li> <li>- Development of an interface for an Intranet data warehouse to collect system information / software releases etc. with cyclic transfer into the data warehouse.</li> <li>- Automatic reporting for the management: automatic generation of an excel sheet (Visual Basic / Windows Scripting Host (WSH)) with daily generated metadata from the UNIX systems</li> <li>- Development of tools for the operations branch using the Tivoli Task Library Language (TLL) as interface</li> <li>- Intranet: development of an Intranet site for the adjoining department of the customer (HTML, XML, php)</li> <li>- Administration of Apache server, Tomcat server, Cocoon</li> <li>- Development of Cocoon applications for the Intranet using XML and Java (as well as Java Server Pages, JSP)</li> <li>- Development of XML pages for a customer-proprietary Intranet data warehouse with XML, XSL, LAMPP (Linux, Apache, mysql, php, Perl), Tomcat, Cocoon</li> </ul>
Dates	01/05/1999 →
Occupation or position held	Managing Director of SoluVision IT Consulting GmbH
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Foundation of the company, managing director</li> <li>- Company administration, external representation</li> <li>- Management of employees and two freelancers</li> <li>- Development of the Internet website, programming in HTML, CGI; setup of Content Management Systems (CMSes) / web portals like Xoops, Mambo, Joomla etc. as well as an eCommerce system (Webshop: Zen Cart)</li> <li>- Activities as webspace- and domain provider, administration of a root server in the internet with more than 100 domains, Apache2- and mysql administration</li> <li>- Perl programming, shell scripting, SSL libraries for automating intraday stock broking</li> <li>- Design and setup of a 1km Cat.6 TCP/IP company network (structured cabling, distributed over three floors) with two subnets, two firewalls and managed routers</li> <li>- Integration of a telephone system and VOIP, Least Cost Routing dependent on source (telephone, fax, ...) and target telephone number</li> <li>- Setup and configuration of a demilitarized zone (DMZ) with webserver / cameraserver and five cash desk certified IP network cameras for automatic object surveillance with motion detection in predefined picture areas, detection of temperature changes (infrared) and alarm message over</li> </ul>

	<p>telephone line as well as automatic picture transmission to an external server</p> <ul style="list-style-type: none"> <li>- Setup of Linux firewalls (iptables) and VPN firewalls in a box for customers</li> <li>- Administration of the company's computer network (3 IBM RS/6000 AIX, 3 SUN Solaris, 5 Knoppix Linux PCs, 1 DEC VAX, 1 MS Windows, 1 DEC VT and 1 Neoware Thin Client)</li> </ul>
Name and address of employer	SoluVision IT Consulting GmbH Zeppelinring 4, 65468 Trebur (Germany)
Dates	01/07/1997 - 28/02/2000
Occupation or position held	IT Consultant with Dresdner Bank AG
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Design and development of shell-, sed-, awk-, Perl- and Tcl/Tk scripts under UNIX (AIX, SUN Solaris and Linux) with Tivoli Framework- and Corba components for the process control of a Data Warehouse under Tivoli TME 10</li> <li>- Development of TLL libraries, tasks and jobs for implementation into Tivoli; usage of the Tivoli desktop for monitoring jobs and for manually restarting aborted transformations</li> <li>- Development of software for an automated installation of new software releases into the Tivoli database. Transformation of commercial transactions for the trading applications Devon, Murex, Bloomberg, Kondor+, Stars etc. (investment banking area)</li> <li>- Development of an event server (together with a colleague) for a process control that includes all process dependencies (Orbix/Iona / CORBA, C++)</li> <li>- Maintain documentation and statistics in the Intranet using MS Word, AOL Press, Perl and CGI techniques</li> <li>- Programming of SQL and HTML components for querying Informix and Sybase databases, evaluation and presentation of the results; SNIFF+ configuration management administration and UNIX support</li> <li>- Development of Java programs and GUIs (Swing) for existing package building procedures (software deliveries)</li> <li>- Support for presenting process flows using IBO (and IRIS for presentation in the intranet)</li> <li>- Usage of Tivoli / Maestro 5.1 for professional process control; Team SEU (software development environment)</li> </ul>
Dates	01/01/1997 - 30/06/1997
Occupation or position held	IT Consultant with Deutsche Bank AG
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Application support banking- and investment banking software</li> <li>- Development of UNIX scripts for automating system and database monitoring</li> <li>- Daily work with UNIX systems, HACMP Clusters and Oracle databases</li> <li>- Setup of a knowledge database in the intranet covering frequent support problems</li> </ul>
Dates	01/03/1996 - 31/12/1996
Occupation or position held	IT Consultant with Deutsche Bank AG
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Second Level IT Support for complete Europe in the area of trading / banking, Investment Banking Systems</li> <li>- Troubleshooting, support service for questions concerning UNIX workstations, applications, operating systems and the heterogeneous workstation and mainframe environment</li> </ul>
Dates	01/10/1995 - 31/01/1996
Occupation or position held	IT Support for Lufthansa Moscow
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Exclusive development of salary accounting software for Lufthansa CIS (Commonwealth of Independent States)/ Russia as well as fixed assets management software</li> <li>- IT support for the employees, installation of software, hardware procurement</li> </ul>
Name and address of employer	Deutsche Lufthansa AG Moscow (Russian Federation)
Dates	01/03/1995 - 30/09/1995
Occupation or position held	Thesis Project with Lufthansa AG
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Conceptual design and development of PC Front-End software together with an ergonomic user interface for the transaction-oriented weight &amp; balance host system of Deutsche Lufthansa AG</li> <li>- Project documentation in three volumes, written in a team of two people</li> </ul>
Name and address of employer	Deutsche Lufthansa AG

	Frankfurt am Main (Germany)
Dates	01/10/1994 - 31/12/1994
Occupation or position held	Scholarship for Study at Regional Technical College Cork
Main activities and responsibilities	- Writing of two project books with the topics "Project Management" and "UNIX network programming (sockets)"
Name and address of employer	Regional Technical College Cork Cork (Ireland)
Dates	01/07/1993 - 30/09/1994
Occupation or position held	QA Support for Software AG
Main activities and responsibilities	- Quality assurance for a large office communication system (CON-NECT), development of test plans and test case descriptions, automation of test runs, programming in Natural and on different operating system platforms including Host Systems, adaptation of tools for these platforms, presentation of tests and tools
Name and address of employer	Software AG Alsbach-Haehnlein (Germany)
Dates	01/03/1993 - 01/01/1994
Occupation or position held	Computer Support for Hochschule Darmstadt, h_da
Main activities and responsibilities	- Supervision of the highschool's main computer centre during the evenings - Additionally supporting students working with the highschool's desktop computers
Name and address of employer	Hochschule Darmstadt, h_da Darmstadt (Germany)
Dates	01/07/1992 - 30/09/1992
Occupation or position held	IT Project at GMD Darmstadt
Main activities and responsibilities	- Involvement in the development of an internal interface between the text retrieval system INQUERY and the relational DBMS Sybase for a complex database (Cordis); support in porting a form oriented user interface for data retrieval from a database from SUN UNIX to SCO UNIX (PC)
Name and address of employer	Gesellschaft für Mathematik und Datenverarbeitung (GMD) Darmstadt (Germany)
Dates	1992 - 1996
Occupation or position held	Running a Sole Proprietorship
Main activities and responsibilities	- Support service for a medical practice, setup and maintenance of network and hardware - Support in usage and installation of software
Name and address of employer	Stefan Krautwurst Software-Systeme
Dates	10/1990 - 06/1991
Occupation or position held	Software Development during Alternative Civilian Service
Main activities and responsibilities	- Development of inventory management and spreadsheet analysis software for IBM PCs
Name and address of employer	Deutsches Rotes Kreuz Henry-Dunant-Strasse 1, 64521 Gross-Gerau (Germany)
Dates	1987 - 1989
Occupation or position held	Apprenticeship and Certification as Certified Banking Professional
Main activities and responsibilities	- Working for Bayerische Hypotheken- und Wechsel-Bank AG for two years - Two days per week professional school - Additional seminars - Certified by the Chamber of Commerce, Darmstadt as Bankkaufmann / Certified Banking Professional
Name and address of employer	Bayerische Hypotheken- und Wechsel-Bank AG Darmstadt (Germany)

Dates	1986 - 1987
Occupation or position held	Managing Member of Rhein-Main Club Atari
Main activities and responsibilities	- Managing member of the computer club Rhein-Main-Club ATARI, officially authorized by ATARI - Monthly creation of reports for the club magazine (all ATARI 8 bit and 16 bit systems)
Dates	1984 - 1988
Occupation or position held	Software Development
Main activities and responsibilities	- Development of application software and games on ATARI computers (ATARI 400, 800, 800XL, 130XE, 520ST, 1040ST) in Turbo Basic and GfA Basic
<b>Education and training</b>	
Dates	12/07/2010 - 16/07/2010
Title of qualification awarded	One week IBM AIX Training: LPAR Virtualization "A to Z" with certificate
Principal subjects / occupational skills covered	IBM AIX Virtualisation
Name and type of organisation providing education and training	explico Software GmbH (Training) Wiesbaden (Germany)
Dates	21/08/2009 - 21/08/2009
Title of qualification awarded	IBM Certified Specialist System p Administration
Principal subjects / occupational skills covered	Certification by IBM: IBM Certified Specialist System p Administration
Level in national or international classification	IBM Certified Specialist System p Administration
Dates	02/02/2009 - 06/02/2009
Title of qualification awarded	One week "IBM AIX Virtualization Workshop"
Principal subjects / occupational skills covered	IBM AIX Virtualisation
Name and type of organisation providing education and training	explico Software GmbH (Workshop) Muenchen (Germany)
Dates	09/2008 - 07/2012
Title of qualification awarded	Master of Science (Information Security)
Principal subjects / occupational skills covered	- Security Management, Business Continuity, Disaster Recovery - Introduction to cryptography and security mechanisms - Computer Security - Network Security - Advanced Cryptography - Smart Cards / token security and applications
Name and type of organisation providing education and training	Royal Holloway University of London (University) London (Great Britain)
Level in national or international classification	Master of Science / M. Sc.
Dates	2007 - 2010
Title of qualification awarded	SGD distance learning course Spanish with certificate (EU Niveau A2/B1)
Principal subjects / occupational skills covered	Spanish Reading, Writing, Speaking (text and mp3 file exchange with voice recording)
Name and type of organisation providing education and training	SGD Darmstadt (Distance Learning Course) Darmstadt (Germany)

Dates	26/03/2007 - 30/03/2007
Title of qualification awarded	One week Python training (programming)
Principal subjects / occupational skills covered	Python scripting / programming
Name and type of organisation providing education and training	Lamarc EDV Training (Training) Wiesbaden (Germany)
Dates	01/02/2007 - 02/02/2007
Title of qualification awarded	Two days advanced Perl training (programming)
Principal subjects / occupational skills covered	Advanced Perl programming for experienced programmers
Name and type of organisation providing education and training	Lamarc EDV Training (Training) Wiesbaden (Germany)
Dates	2005 - 2005
Title of qualification awarded	One week training Solaris 10 operating system
Principal subjects / occupational skills covered	administrator upgrade with SUN training instructor and original SUN material
Dates	20/09/2000 - 24/09/2000
Title of qualification awarded	Communication training Neue Wege III - Excellence
Principal subjects / occupational skills covered	one week training: communication, motivation, feedback, strategies, cooperation
Name and type of organisation providing education and training	Neue Wege Seminare Klaus Frey (Seminar) Tannenweg 10, Sinzheim (Germany)
Dates	25/11/1999 - 25/11/1999
Title of qualification awarded	Service Center Workshop
Principal subjects / occupational skills covered	one day workshop about the software "Service Center"
Name and type of organisation providing education and training	Dresdner Bank AG Frankfurt (Germany)
Dates	30/08/1999 - 03/09/1999
Title of qualification awarded	Distributed Java Programming Techniques
Principal subjects / occupational skills covered	one week training about distributed Java Programming Techniques, e.g. Java Remote Method Invocation (RMI). Original SUN Training Material and SUN Instructor.
Name and type of organisation providing education and training	Dresdner Bank AG Windmuehlstrasse 14, Frankfurt (Germany)
Dates	15/02/1999 - 19/02/1999
Title of qualification awarded	Training Java Advanced Programming
Principal subjects / occupational skills covered	one week training: Java Advanced Programming graphic programming, stream- and file handling, network programming original SUN training material and SUN instructor
Name and type of organisation providing education and training	Dresdner Bank AG Windmuehlstrasse 14, Frankfurt (Germany)
Dates	10/1998 - 11/1998
Title of qualification awarded	Evening class (four evenings) contract law in the software field
Principal subjects / occupational skills covered	Contract law

Name and type of organisation providing education and training	PASS IT Academy (Academy) Frankfurt (Germany)
Dates	16/09/1998 - 24/09/1998
Title of qualification awarded	Evening Class Banking Competence
Principal subjects / occupational skills covered	Banking and IT related topics
Name and type of organisation providing education and training	PASS IT Academy (Academy) Frankfurt (Germany)
Dates	09/1998 - 09/1998
Title of qualification awarded	Evening Class (5 evenings) Java Introduction to Internet Programming
Principal subjects / occupational skills covered	Java Programming, Internet related
Name and type of organisation providing education and training	PASS IT Academy (Academy) Frankfurt (Germany)
Dates	23/06/1998 - 07/07/1998
Title of qualification awarded	Evening class European economic and monetary union
Principal subjects / occupational skills covered	Training related to the European Union
Name and type of organisation providing education and training	PASS IT Training Academy (Academy) Frankfurt (Germany)
Dates	04/03/1998 - 18/03/1998
Title of qualification awarded	Evening Class Data Warehousing
Principal subjects / occupational skills covered	Data Warehouse related advanced training for IT Consultants
Name and type of organisation providing education and training	PASS IT Academy (Academy) Frankfurt (Germany)
Dates	12/01/1998 - 09/02/1998
Title of qualification awarded	Evening Class Project Management I
Principal subjects / occupational skills covered	Project Management for IT Consultants
Name and type of organisation providing education and training	Pass Training Academy (Academy) Frankfurt (Germany)
Dates	13/11/1997 - 27/11/1997
Title of qualification awarded	Evening Class SAP R3
Principal subjects / occupational skills covered	SAP Software Suite and SAP R3
Name and type of organisation providing education and training	PASS Training Academy (Academy) Frankfurt (Germany)
Dates	10/1996 - 10/1996
Title of qualification awarded	Kondor Plus Administration
Principal subjects / occupational skills covered	Two days Kondor Plus Administration (Trading System)
Name and type of organisation providing education and training	Deutsche Bank AG (Bank) Frankfurt (Germany)
Dates	10/1994 - 12/1994
Title of qualification awarded	Scholarship for trimester study at Cork RTC

Name and type of organisation providing education and training	Regional Technical College Cork (Technical College) Cork (Ireland)
Level in national or international classification	Scholarship
Dates	07/1994 - 07/1994
Title of qualification awarded	One month half-day intensive course Russian
Principal subjects / occupational skills covered	Talking, Writing Russian
Name and type of organisation providing education and training	Peterburgskaja Gumanitarnaja Gimnasia (Secondary School) Sankt Petersburg (Russia)
Dates	06/1994 - 06/1994
Title of qualification awarded	Communication training Neue Wege II - Charisma
Principal subjects / occupational skills covered	one week training: communication, motivation, feedback, strategies, cooperation
Name and type of organisation providing education and training	Neue Wege Seminare Klaus Frey (Seminar) Tannenweg 10, 76547 Sinzheim (Germany)
Dates	02/1994 - 02/1994
Title of qualification awarded	Communication training Neue Wege II - Initiative
Principal subjects / occupational skills covered	one week training: communication, motivation, feedback, strategies, cooperation
Name and type of organisation providing education and training	Neue Wege Seminare Klaus Frey (Seminar) Tannenweg 10, Sinzheim (Germany)
Dates	1991 - 1995
Title of qualification awarded	Dipl.-Inform. (FH) / counting as Bachelor with honours
Principal subjects / occupational skills covered	Computer Science
Name and type of organisation providing education and training	Hochschule Darmstadt (Fachhochschule / University) Darmstadt (Germany)
Level in national or international classification	Dipl. Inform. (FH) / Bachelor with honours
Dates	09/1991 - 06/1992
Title of qualification awarded	Typewriting Course
Principal subjects / occupational skills covered	Typewriting including certificate: 1709 characters in 10 minutes
Name and type of organisation providing education and training	Kreisvolkshochschule Gross-Gerau (Volkshochschule) 64521 Gross-Gerau (Germany)
Level in national or international classification	Typewriting with certificate
Dates	01/1990 - 12/1990
Title of qualification awarded	Turbo Pascal Programming
Principal subjects / occupational skills covered	- One year of in-depth Turbo Pascal Programming - Final Exam covering all topics
Name and type of organisation providing education and training	Kreisvolkshochschule (Volkshochschule) 64521 Gross-Gerau (Germany)
Dates	07/1987 - 07/1989
Title of qualification awarded	Apprenticeship as Certified Banking Professional
Principal subjects / occupational skills	All Aspects of Banking



covered (Certification through Chamber of Commerce, Darmstadt)  
 Name and type of organisation providing education and training Bayerische Hypotheken- und Wechsel Bank AG (Bank) Darmstadt  
 Level in national or international classification Bankkaufmann, Certified Banking Professional

Dates 1987

Title of qualification awarded Abitur / Baccalaureate (general qualification for university entrance)  
 Principal subjects / occupational skills covered majors / a-level classes English and French

Name and type of organisation providing education and training Praelat-Diehl Gymnasium Gross-Gerau 64521 Gross-Gerau (Germany)  
 Level in national or international classification general qualification for university entrance

**Personal skills and competences**

Mother tongue(s) **German**

Other language(s)

Self-assessment  
 European level (\*)

**English**  
**French**  
**Russian**  
**Spanish**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C1	Proficient user	C2	Proficient user	C2	Proficient user
B1	Independent user	B2	Independent user	B1	Independent user	B1	Independent user	B2	Independent user
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User
A2	Basic User	B2	Independent user	A2	Basic User	A2	Basic User	B1	Independent user

(\*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

- calm and reasonable under pressure and in critical situations
- very high experience concerning work habits in highly sensitive projects (trading, banking, satellite ground stations)
- especially suited for technical work environments with a very low human-error tolerance due to concentrated and cautious performance and the experience in the above mentioned projects
- friendly appearance, very cooperative
- information exchange and mutual support in the team, absolute discretion outside work

Organisational skills and competences

- organisational skills gathered as founder and managing director of a limited liability company (GmbH), started in 1999, as well as by running a sole proprietorship and during two years apprenticeship at Bayerische Hypotheken- und Wechsel-Bank AG (certified)
- structuring and modularising tasks ("divide and conquer")
- prioritising workload
- applying strategies against procrastination of projects
- project planning and reporting
- documentation and protocols
- experience in implementation of frameworks, development of processes and procedures

Driving licence(s) B