

CURRICULUM VITAE

Dipl.-Inf. Univ. Ralf S. Engelschall

Executive Summary

Ralf S. Engelschall is a 39-year old *Computer Scientist and Senior Project Manager*, living with his wife and three children in Munich, Germany. He has 25 years of computing, 22 years of software development and 12 years of management experiences.

Achievements He is the author of the book *Apache Desktop Reference*, author of over a dozen IT magazine articles and author of three dozen widespread Open Source software components, including the popular *Apache mod_rewrite* and *mod_ssl* extensions, the *GNU Portable Threads* and *GNU Portable Shell Tool*, the *OSSP* software component collection, and the comprehensive *OpenPKG* cross-platform multi-instance Unix software packaging solution.

He developed many comprehensive solutions, including a secure download platform for the music industry, a maintenance-free, world-wide distributed, fail-safe and load-balancing name-service setup for the ISP industry, multiple software development environments for the software industry, a conference planning and execution platform, etc.

Contribution Beside being the founder of the popular Open Source software projects *OpenSSL*, *OpenPKG* and *OSSP*, since over a decade he is an active developer in the *Apache*, *FreeBSD* and *GNU* software development projects. Additionally, he is founder and president of the *OpenPKG Foundation e.V.* and founder and managing director of the *OpenPKG GmbH*.

Attitude As a success-oriented person he enjoys to adopt new technology and management challenges and looking beyond the ordinary when developing solutions. He especially is known in the world-wide Internet community for his unique passion and steadiness to design, architect, implement and publish popular Unix software components which are accredited by experts to have a unique balance of both technical functionality and artistic aesthetics.

Capability His preferred work assignment consists of the roles *Methods Engineer*, *Software Architect*, *Project Manager* and *Principal Consultant* in challenging software development environments where his personal key competence areas are invaluable and profitable: *Software Engineering Methodology*, *Project Management*, *Open Source Software*, *Unix Server Computing*, *Internet Networking Technologies*, *Cryptography* and *Web Technologies*.

Going the
extra mile...



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Person & Contact

Person

■ Academic Degree:	Dipl.-Inf. Univ.
■ Name:	Ralf S. Engelschall
■ Birth:	November 17 th 1972
■ Nationality:	German
■ Marital Status:	married, 3 children
■ Languages:	German (native) English (foreign)

Contact

■ Internet/Email:	rse@engelschall.com
■ Internet/WWW:	http://engelschall.com/ (website) http://trainofthoughts.org/ (blog) http://twitter.com/engelschall/ (microblog)
■ Phone:	+49-8131-56084 (UTC +0100)
■ Address:	Weblinger Weg 28 85221 Dachau GERMANY

Domestic Circle

■ Wife:	Daniela C. Engelschall (1973)
■ Children:	Noah S. Engelschall (2000) Jasmin L. Engelschall (2002) Oliver R. Engelschall (2008)
■ Parents:	Diethard J. Engelschall (1938) Doris G. Engelschall (1949)

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Profession & Achievements

Profession

■ Profession:

Computer Scientist (germ. *Diplom-Informatiker*),
Major focus of study: Formal Languages, Parsing, Data Structures, Networking,
Subsidiary subject of study: Mathematics.

■ Add-on Educations:

Senior Project Manager (IPMA/GPM, level B),
Certified Scrum Master (Scrum Alliance, CSM)

■ Memberships:

Association for Computing Machinery (ACM),
Gesellschaft für Informatik e.V. (GI),
Gesellschaft für Projektmanagement e.V. (GPM),
Scrum Alliance, Inc.,
XING AG (XING.com),
USENIX Association (USENIX),
OpenPKG Foundation e.V. (OpenPKG.net),
Apache Software Foundation (ASF).

Achievements

■ Business:

Founder of institutions *OpenPKG GmbH* and *OpenPKG Foundation e.V.*
Founder of Open Source software projects *OpenPKG*, *OSSP*, *OpenSSL*, *mod_ssl*.
Project manager in dozens of IT industry projects.

■ Publishing:

Author of the book *Apache Desktop Reference*.
Author of over 10 IT magazine and CS scientific articles.
Author of over 40 IT presentations and trainings.

■ Developments:

Author of over 30 popular Open Source software components.
Contributor at myriad of foreign Open Source software projects,
including FreeBSD, Apache, RPM, SQLite, CVSTrac, Monotone, jQuery, etc.

■ Experiences:

25 years of computing,
22 years of Unix software development,
20 years of Internet solution development,
15 years of system administration,
14 years of knowledge publishing,
12 years of business management,
11 years of project management.

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Education & Workings

Education

- 2011: Scrum Alliance, Inc.,
course of studies: **Certified Scrum Master (CSM)**
final exam: **Certified Scrum Master certificate**
- 2006-2007: International Project Management Association (IPMA),
Deutsche Gesellschaft für Projektmanagement (GPM), PM-ZERT,
course of studies: **Project Management (IPMA level B)**
final exam: **Senior Project Manager certificate (IPMA level B)**
- 2002-2003: International Project Management Association (IPMA),
Deutsche Gesellschaft für Projektmanagement (GPM), PM-ZERT,
course of studies: **Project Management (IPMA level D)**
final exam: **Project Management Associate certificate (IPMA level D)**
- 1993-1999: *Technische Universität München (TUM)*,
course of studies: **Computer Science** (germ. Informatik/Mathematik),
final exam: **University Diploma** (germ. Universitäts-Diplom).
- 1991-1993: *Fachhochschule (FH) München*,
course of studies: **Informatik, Bereich Technik**,
final exam: **university pre-diploma** (germ. Vordiplom, Hochschulreife).
- 1989-1991: *Fachoberschule (FOS) München*,
course of studies: **Bereich Technik**,
final exam: **university maturity** (germ. Fachhochschulreife).

Schooling

- 1985-1989: *Realschule Dachau*,
final exam: **middle maturity** (germ. Mittlere Reife)
- 1983-1985: *Hauptschule Dachau*
- 1980-1983: *Grundschule Dachau*
- 1979-1980: *Grundschule Petershausen*

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Education & Workings

Employment

- since 2011: msg systems ag,
msg Applied Technology Research (XT), Munich, DE:
Principal IT Consultant, Software Architect, Department Manager.
- 2007-2011: Capgemini sd&m AG,
Capgemini sd&m Research, Munich, DE:
Principal Consultant, Software Architect, Project Manager.
- since 2006: OpenPKG GmbH, Dachau, DE:
Founder, Managing Director, Software Architect, Project Manager.
- 2000-2005: Cable & Wireless Telecommunication Services GmbH,
Datacenter Services, Munich, DE:
Teamleader Development, Project Manager.
- 1998-2000: ECRC Network Solutions GmbH,
Internet Services, Munich, DE:
Software Developer.
- 1994-1995: Technische Universität München (TUM),
Chair Prof. Broy, Munich, DE:
Student Trainee, System Administrator.
- 1992-1998: sd&m GmbH,
Technische Infrastruktur (TI), Munich, DE:
Student Trainee, System Administrator.

Affiliations

- since 2005: OpenPKG Foundation e.V., DE:
Founder, President and Developer.
- since 1998: FreeBSD, USA:
Software Developer.
- since 1996: Apache Software Foundation (ASF), USA:
Software Developer.

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Skills & Qualification

Expert Skills

- Computer Science: Algorithms, Data Structures, Cryptography, Formal Languages, Parsing, Compiler Construction, Operating Systems.
- Software Engineering: Methodology (Domains & Disciplines), Design, Implementation, Debugging, Build, Deployment, Configuration Management, Release Engineering.
- Software Development: Architecture, API Design, Abstraction Layers, Portability, Version Control.
- Programming Languages: C/C++, Scala, Java, JavaScript, ActionScript, JavaFX Script, Perl, Lua, Bourne-Shell.
- Markup Languages: XML/XSLT, SGML/DTD, DocBook, XUL, XHTML/CSS/DOM, RDF, TeX/LaTeX, POD.
- Query Languages: SQL, XPath, RegExp, Shell Globs.
- Operating Systems: FreeBSD, GNU/Linux, Solaris, Mac OS X, Windows.
- Unix: Multithreading, Daemons, Sockets, Packaging, Large-scale Deployments, Migrations, Upgrades.
- Internet Application: DHTML/AJAX, XML-RPC, CGI.
- Internet Networking: Routing, NAT, VPN, Firewall.
- Networking OSI 5-7: HTTP/HTTPS, STOMP, SMTP/LTMP, POP3, FTP, NNTP, NTP, SSL/TLS, SSH, NFS, BGP.
- Networking OSI 3-5: IP, ICMP, ARP, DHCP, UDP, TCP, VRRP, CARP.
- Networking OSI 1-2: Ethernet, Switching, Bridging, Trunking, VLAN, PPP, Serial, ISDN.
- Hardware: Personal Computer (PC), Server Computer
- Security: System Analysis, Protocols, PKI, Application Patching, Patch Backporting.
- Legal: Open Source Software Licensing.
- Organization: Open Source Software Development Models.
- Knowledge: Education, Training, Publishing.
- Management: Business Management, Project Management.

Profession Passion

- Hobby-Horses: Modeling, APIs, FreeBSD Unix, Mac OS X, C, Perl, Scala, XHTML/CSS/JavaScript, Graphics Design, Regular Expressions, Parsing, Data Structures, Version Control, Cryptography.

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Aptitude & Roles

Profession Aptitude

- Computer Science: Education with a rock-solid theory foundation, a "magna cum laude" diploma certification and a decade of experiences in practice provide prerequisite to invent innovative IT solutions.
- Software Development: Passion to design, architect and implement Unix software solutions with a great balance of functional and aesthetic claim.
- Quality Assurance: Perception to analyze, troubleshoot and fix complex software solutions and IT setups.
- Technical Consulting: Experience in knowing possibilities, looking beyond the ordinary and exploring ultimate technical feasibilities.
- Publishing & Training: Ability to comprehend difficult issues, consolidate and present their essentials to motivate and educate people.
- Management: Sense to guide and lead people to successfully drive and complete missions.
- Entrepreneurship: Visions of new approaches and passion to adopt new challenges.

Roles & Preference

- Profession Roles:

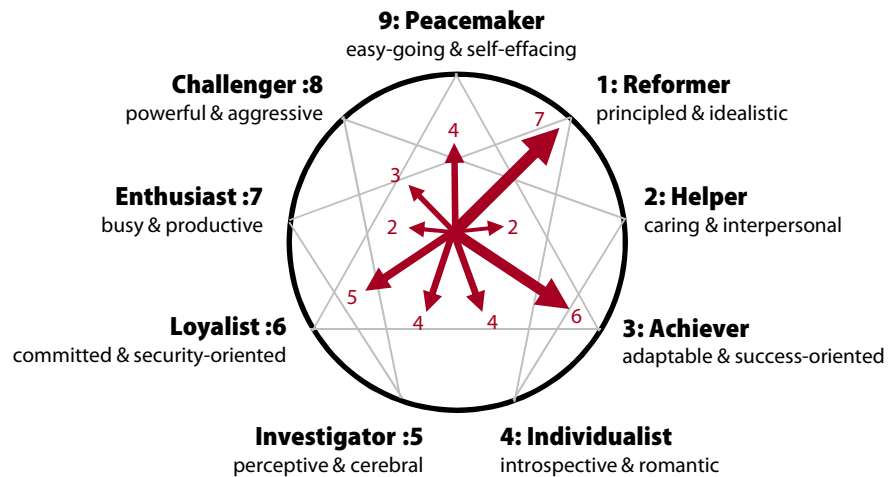
Solution	Analyst	
Solution	Architect	
Software	Developer	
Software	Artist	
Technology	Consultant	
Technology	Publicist	
Technology	Trainer	
Project	Manager	
Business	Manager	
Business	Entrepreneur	

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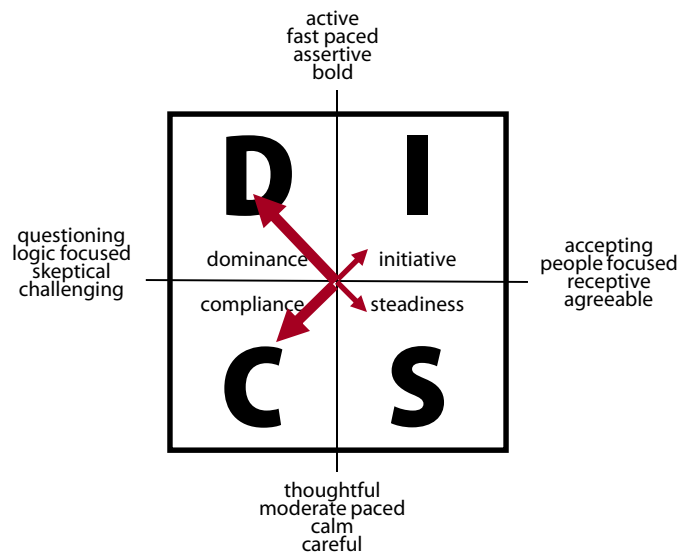
Perception & Behaviour

Personal Profile

■ Enneagram®:



■ DISC®:



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Writing & Publication

Publications

- 2012-XX: *"Unified Version Identification for Software Configuration Management Artifacts"*, engl., (still not published)
- 2010-07: *"A Plea for Pluggable Programming Language Features"*, engl., Proceedings of 5th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE 2010), pp. 5-11, Athens, GR. (Best Paper Award)
- 2010-07: *"Language-Oriented Programming via DSL Stacking"*, engl., Proceedings of 5th International Conference on Software and Data Technologies (ICSOFT 2010), Vol 2., pp. 279-287, Athens, GR.
- 2010-01: *"Quasar 2.0 – Software Engineering Patterns"*, engl., Capgemini sd&m AG, sd&m Research, Munich, DE.
- 2009-09: *"Erweiterter Paketversand"*, germ., c't Magazine, issue 20/2009, p.184-187, Heise Verlag, DE.
- 2009-02: *"Open Source: Freiheitskampf zwischen Kunst und Kommerz"*, germ., OBJEKTspektrum, issue 2009/2, Munich, DE.
- 2008-07: *"Open Source — Kunst & Kommerz kombinieren"*, germ., Capgemini sd&m AG: m&it, issue 7/2008, Munich, DE.
- 2002-10: *"Cross-platform Unix software packaging with OpenPKG"*, engl., SysAdmin magazine, USA.
- 2001-12: *"OpenPKG Handbook"*, engl., The OpenPKG Project, Munich. DE.
- 2000-12: *"Apache Desktop Reference"*, engl., Addison Wesley, USA, ISBN 0201604701.
- 2000-06: *"Portable Multithreading – The Signal Stack Trick Of User-Space Thread Creation"*, engl., USENIX Annual Technical Conference, San Diego (USA).
- 1998-08: *"Analyse, Spezifikation und Architektur eines Werkzeugs zur Transformation strukturierter Texte"*, germ., Technische Universität München (TUM), Munich, DE.
- 1998-05: *"Website Load Balancing: Practical approaches for distributing HTTP traffic"*, engl., WEBTechniques, issue 5/1998, Miller Freeman, USA.
- 1997-12: *"Weich gebettet - Perl in HTML integriert"*, germ., iX Magazine, issue 12/1997, p.165-167, Heise Verlag, DE.
- 1997-04: *"Der kleine Unterschied - Optimale Darstellung von Grafiken im WWW"*, germ., iX Magazine, issue 04/1997, p.162-167, Heise Verlag, DE.
- 1996-12: *"Nachsendeantrag - URL-Manipulationen mit Apache"*, germ., iX Magazine, issue 12/1996, p.149-155, Heise Verlag, DE.

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Mentoring & Supervision

Master Thesis

- 2011-06: Max Hohenegger (TU München):
"Ein musterbasierter Ansatz zur konstruktiven und analytischen Qualitätssicherung des Softwarekonfiguration"
- 2010-05: Iris Aigner (TU Darmstadt):
"Decision Making – Methodik und unterstützendes Werkzeug für den Einsatz von Entscheidungsmatrizen im Projektmanagementumfeld"
- 2009-10: Martin Kreidenweis (Uni Augsburg):
"Software Configuration Management in Centralized and Distributed Custom Software Development"
(Best Thesis Award)
- 2009-10: Omar Diego Vera Ustariz (TU München):
"Specification, Design and Development of the Server Component of a Topic Maps-based Distributed Information System"
- 2009-09: Torsten Witt (LMU München):
"Conception and Implementation of a Visual Editor for Topic Maps"
- 2009-04: Bastian Hahn (TU Dresden):
"Konzeptionelle Ausarbeitung und Erstellung eines Prototyps zur Visualisierung von verteilten und sich überlagernden Topic Maps unterschiedlicher qualitativer Gewichtung"

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Presentation & Education

Major Presentations

- 2012-XX: *"Mobile Computing Trends"*, engl., Allianz AG, Munich (DE), XXX 2012.
- 2011-12: *"Software Architecture from an Industry Perspective"*, engl., University Augsburg, Augsburg (DE), December 2011, Guest Lecture at "Elitestudiengang Software Engineering".
- 2011-07: *"Einsatz von Open Source Software"*, germ., msg systems ag, Branch Insurance, Munich (DE), July 2011
- 2011-05: *"Mobile Applications"*, engl., University Augsburg, Augsburg (DE), May 2011, Guest Lecture at "Elitestudiengang Software Engineering".
- 2011-05: *"Open Source Strategie"*, germ., msgGillardon, Munich (DE), May 2011
- 2011-05, 2011-04, 2011-03: *"Scala – The Next Java!?"*, engl., msg systems ag, XT Round, Munich (DE), March 2011, msg systems ag, Technology Workshop, Munich (DE), April 2011, msg systems ag, GB P, Munich (DE), May 2011.
- 2010-11: *"Software Technology Trends 2010/2011"* (version 2.1), engl., Capgemini CoC Architecture Summit 2010, Day 2, Munich/Aschheim (DE), November 2010,
- 2010-10: *"Software Technology Trends 2010/2011"* (version 2.0), engl., University Augsburg, Augsburg (DE), October 2010, Guest Lecture at "Elitestudiengang Software Engineering".
- 2010-08: *"Capgemini CSD Research"*, engl., Capgemini sd&m AG, Munich (DE), April 2010, Capgemini sd&m AG, Frankfurt (DE), August 2010.
- 2010-06: *"Software Technology Trends 2010/2011"*, engl., Capgemini sd&m AG, Mespelbrunn (DE), Juni 2010, Capgemini sd&m AG, Munich (DE), Juli 2010.
- 2010-04: *"Typography, Fonts and the Web"*, engl., Capgemini sd&m AG, Munich (DE), April 2010.
- 2010-04: *"Holistic Software Configuration Management"*, engl., Technische Universität München (TUM), Munich (DE), April 2010, Guest Lecture at "Elitestudiengang Software Engineering".

(part 1: 2012-2010)

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Presentation & Education

Major Presentations

- 2009-11: *"Engineers Camp 2009: Summary"*, engl., Capgemini sd&m AG, Munich (DE), November 2009.
- 2009-10: *"Quasar: delivering added value through holistic methodology"*, Capgemini CZ, CSD Sales Workshop, October 2009.
- 2009-02: *"Engineers Camp: Introduction I & II"*, engl., Capgemini sd&m AG, Munich (DE), February 2009.
- 2008-12: *"Software Configuration Management"*, engl., Capgemini sd&m AG, Munich (DE), December 2008.
- 2008-09: *"Developing Firefox Extensions"*, engl., Capgemini sd&m AG, Munich (DE), September 2008.
- 2008-05: *"sR SWW Intranet & Drupal CMS"*, engl., Capgemini sd&m AG, Munich (DE), May 2008.
- 2007-06: *"Bikeshed"*, engl., Gesellschaft für Projektmanagement (GPM), Nürnberg (DE), Juni 2006.
- 2007-03: *"Refining Open Source Unix Server Software"*, engl., Open Source Meets Business (OSMB) Congress, Nürnberg (DE); LBCN Finanzierungsforum, Nürnberg (DE).
- 2005-05, 2005-01, 2004-04, 2001-05: *"OpenPKG - Cross-Platform Software Packaging"*, engl., SpaceNet AG, Munich, May 2005; Cable & Wireless, London (UK), January 2005; Fraunhofer Gesellschaft (FhG), Karlsruhe, April 2004; Cable & Wireless, Munich (DE), May 2001.

(part 2: 2009-2003)

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Presentation & Education

Major Presentations

- 2002-08: *"Object Orientation"*, engl., Cable & Wireless, Munich (DE).
- 2002-07: *"Compiler Construction"*, engl., Cable & Wireless, Munich (DE).
- 2002-06: *"Secure Shell"*, engl., Cable & Wireless, Munich (DE).
- 2002-05: *"RSA Cryptography Algorithm"*, engl., Cable & Wireless, Munich (DE).
- 2002-02: *"Regular Expressions"*, engl., Cable & Wireless, Munich (DE).
- 2001-04: *"Security Solutions with SSL"*, engl., ApacheCon 2001 US, Santa Clara (USA), April 2001; ApacheCon 2000 EU, London (UK), October 2000.
- 2000-04: *"SSL/TLS with Apache, mod_ssl and OpenSSL"*, engl., GMX AG, Munich (DE), April 2000; ECRC GmbH, Munich (DE), November 1999.
- 1999-11: *"Behind the Scenes of Open Source Development"*, engl., ETH Zurich (ETHZ/EE/ISG), Zurich (CH), November 1999; Gesellschaft für Informatik (GI), Munich (DE), April 2004.
- 1999-04: *"Apache Architecture & Installation"*, engl., ECRC Network Solutions GmbH, Munich (DE), April 1999.
- 1998-03: *"Perl - Larry Wall's Practical Extraction and Reporting Language"*, engl., ECRC Network Solutions GmbH, Munich (DE), February 1999; sd&m GmbH & Co KG, Munich (DE), March 1998.
- 1998-10: *"Security with mod_ssl"*, engl., ApacheCon'98, San Francisco (USA), October 1998.
- 1998-01: *"Webdesign – Graphisches Seitendesign im Darstellungsmedium World Wide Web"*, germ., sd&m GmbH & Co KG, Garmisch-Partenkirchen (DE), January 1998.
- 1997-03: *"Web Technologie - Ein Blick in die technischen Interna des Darstellungsmediums World Wide Web"*, germ., sd&m GmbH & Co KG, Munich (DE), March 1997.

(part 3: 2002-1997)

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Design & Authoring

Unix Software

- 2011-09: Repository Manager
 - 2011-06: Java Artifact Scanner
 - 2011-01: iTunes Movie Catalog
 - 2010-06: PunBB/cg_sso
 - 2010-05: PunBB/pun_subscribe
 - 2010-04: sXML
 - 2009-01: EC Dashboard
 - 2008-11: Adventcalendar
 - 2008-12: *JUST*
 - 2008-03: *Apache mod_auth_trust*
 - 2007-12: *OpenPKG 4*
 - 2007-09: RPM 5
 - 2006-11: *OpenPKG 3*
 - 2005-03: *OSSP ase*
 - 2005-01: *OSSP uuid*
 - 2004-12: *OSSP flow2rrd*
 - 2004-07: *OSSP svcs*
 - 2003-08: *OSSP snmpdx*
 - 2003-04: *OSSP ac*
 - 2002-06: *OSSP cfg*
 - 2002-04: *OSSP mct*
 - 2002-03: *OSSP ex*
 - 2002-01: *OSSP val*
 - 2002-01: *OpenPKG 2*
 - 2001-12: *OSSP var*
 - 2001-08: *OSSP sa*
 - 2001-04: *OSSP I2*
 - 2000-12: *OpenPKG 1*
 - 2000-08: *OSSP xenia*
 - 2000-06: *OSSP shiela*
- Version Control System Repository Setup
 - Recursive Scanner for Java Artifacts
 - Generate Movie Catalog from iTunes Database
 - PunBB Single-Sign-On (SSO) Extension
 - PunBB Forum Mail Subscription Extension
 - Simple XML
 - Engineers Camp Dashboard
 - Software Engineering Advent Calendar Engine
 - Java Unified Scripting Toolkit
 - Apache Authentication for Reverse Proxy Setups
 - Cross-Platform Software Packaging (4th gen.)
 - RPM5 Autoconf & Lua scripting
 - Cross-Platform Software Packaging (3rd gen.)
 - Affiliation Service Environment
 - Universally Unique Identifiers
 - NetFlow to Round-Robin Database
 - Simple Versioning System
 - SNMP Daemon Extension
 - Auto Connection
 - Configuration Parsing
 - Multiple Choice Test Engine
 - Exception Handling Library
 - Value Access Library
 - Cross-Platform Software Packaging (2rd gen.)
 - Variable Expansion Library
 - Socket Abstraction Library
 - Logging Library
 - Cross-Platform Software Packaging (1st gen.)
 - CVS Web Browsing Interface
 - CVS ACL and Logging Facility

(part 1: 2011-2000)

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Design & Authoring

Unix Software

- 1999-11:
- 1999-04:
- 1999-03:
- 1999-01:
- 1998-07:
- 1998-04:
- 1997-11:
- 1997-10:
- 1997-09:
- 1997-03:
- 1997-02:
- 1997-03:
- 1997-01:
- 1996-04:
- 1996-03:
- 1996-02:
- 1994-07:
- 1993-07:
- 1992-06:
- 1992-04:

(part 2: 1999-1992)

OSSP str
GNU pth
GNU shtool
OSSP mm
Apache mod_ssl
Apache mod_so
LCWA
SMTPclient
OSSP iselect
gFONT
WML
Vpath
Slice
Apache mod_rewrite
OSSP eperl
NLP
OSSP smake
XCD
UUTraf
UUPoll

Generic String Library
GNU Portable Threads
GNU Portable Shell Tool
Shared Memory Library
Apache Interface to OpenSSL
Apache Shared Object Facility
Last Changes Web Agent
Mail Delivery Tool
Interactive Selection Tool
GIF rendering with TeX-Fonts
Website META Language
Virtual Path Mapping
Extraction of Text Slices
Apache URL Rewriting Engine
Embedded Perl Language
Postscript Printer Frontend
Skeleton Make
Extended Change Directory
UUCP Traffic Statistics
UUCP Polling Manager

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Participation & Contribution

Major Projects

- 1999-2000: *Franziskuswerk Schönbrunn (FWS), Schönbrunn, DE:*
Global Internet connectivity provisioning and implementation.
- 2000-2001: *Cable & Wireless, Munich, DE:*
Establishment of "Development Team".
- 2002-2002: *Cable & Wireless, Munich, DE:*
"Ringvorlesungsreihe".
- 2003-2005: *Cable & Wireless, Munich/London, DE/UK:*
Next-Generation fail-safe and load-balanced world-wide Domain Name System (DNS) infrastructure.
- 2003-2004: *Cable & Wireless, Munich, DE:*
Release engineering of product "OpenPKG Community 2.0".
- 2004-2005: *Cable & Wireless, Munich/London, DE/UK:*
Trade-Sale of Munich datacenter.
- 2005-2005: *Cable & Wireless, Munich/London, DE/UK:*
Migration of "Music Download Platform" from DE to UK.
- 2005-2005: *OpenPKG Foundation e.V., Dachau, DE:*
Legal, political and technical establishment of organization and infrastructure.
- 2005-2006: *OpenPKG GmbH, Dachau, DE:*
Legal, political and technical establishment of organization and infrastructure.
- 2006-2006: *OpenPKG GmbH, Dachau, DE:*
Development of new product "OpenPKG Enterprise 1".
- 2007-2010: *Capgemini sd&m AG, Capgemini sd&m Research, Munich, DE:*
Management of 8 parallel "Quasar Development" projects
- 2010-2011: *OpenPKG GmbH, Dachau, DE:*
Project Management and Software Architecture of MyPress .

Major Participations

- 1997-2010: *FreeBSD* Operating System (developer)
- 1998-2010: *OpenSSL* Cryptography Toolkit (developer, founder)
- 1998-2010: *OSSP* System Technologies (developer, founder)
- 1999-2010: *GNU* System Technologies (developer)
- 2001-2010: *OpenPKG* Packaging Toolkit (developer, founder)

Major Contributions

- 2001-2010: *RPM 5* Package Manager (developer, founder)
- 2005-2010: *CVSTrac* Version Control Web-UI (developer)
- 2007-2010: *Monotone* Version Control System (developer)
- 2007-2010: *jQuery* DOM/AJAX Library (contributor)

(proprietary software not listed)

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References & Links

References

- Ralf S. Engelschall:
Engelschall
Train of Thoughts (blog)
Technology Tweets (microblog)
<http://engelschall.com/>
<http://trainofthoughts.org/>
<http://twitter.com/engelschall>
- OpenPKG:
OpenPKG
OpenPKG GmbH
OpenPKG Foundation e.V.
<http://www.openpkg.org/>
<http://www.openpkg.com/>
<http://www.openpkg.net/>
- OSSP:
OSSP
<http://www.oss.org/>
- FreeBSD:
FreeBSD
<http://www.freebsd.org/>
- Apache:
Apache Software Foundation (ASF)
<http://www.apache.org/>
- FSF/GNU:
Free Software Foundation (FSF)
GNU is not Unix (GNU)
<http://www.fsf.org/>
<http://www.gnu.org/>
- Cable & Wireless:
Cable & Wireless UK
Cable & Wireless DE
<http://www.cw.com/>
<http://www.cw.com/de>
- Capgemini sd&m:
Capgemini sd&m AG
<http://www.de.capgemini-sdm.com/>
- msg systems:
msg systems ag:
<http://www.msg-systems.com/>
- TUM:
Technische Universität München
Fakultät für Informatik
<http://www.tum.de/>
<http://www.in.tum.de/>
- GI:
Gesellschaft für Informatik
<http://www.gi-ev.de/>
- GPM/IPMA:
Gesellschaft für Projektmanagement
International Project Management Assoc.
<http://www.gpm-ipma.de/>
<http://www.ipma.ch/>
- Scrum Alliance:
Scrum Alliance
<http://www.scrumalliance.org/>
- USENIX:
USENIX Association
<http://www.usenix.org/>



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