

# Curriculum Vitae

## Personal informations

Name	Stefan Sonntag
Date and place of birth	07.02.1972, Frankfurt a.M.
Family status	unmarried
Citizenship	german

## Occupational Activities

11/2011 – today	Maintenance and further development of a J2EE web application for unitb technology using Seam, JBPM, Hibernate and Oracle.
12/2011	Implementation of a link between the merchandise management of a tyre merchant and the B2B platform „tyre24.de“ using C++ (Windows), Boost, POCO, PHP, SOAP, MySQL and Firebird.
08/2011 – 10/2011	Programming services for Gameforge Productions GmbH for the previously developed MMORPG (J2EE, Hibernate, Spring, JBOSS Seam, Apache Commons).
10/2009 – 08/2011	Co-foundation and administration of business of Inflammables GmbH.  Serverside development of the MMORPG „Hellbreed“ in Java using J2EE, Hibernate, Spring, JBOSS Seam, Apache Commons.
04/2007 – 12/2008	Co-Foundation and administration of business of Gametank GmbH.  Serverside development of the MMORPG „Zaar“ in Java using J2EE, Hibernate, Spring, Eclipse RAP, apache Commons). Conception and administration of the corresponding server farm.
10/2006 – 03/2007	Software development for compNETCAD. A platform for educational videostreams has been created, so that teachers could upload educational videos and student could view the videos as streams. The uploaded videos where converted into the FLV format using ffmpeg.  Student could browse a video gallery and teachers where able to activate, deactivate and delete videos.  The streaming was done by a Flash-SWF that was created on the fly via MING.  The portal was implemented using PHP and MySQL on Redhat Enterprise Linux.    Implementation of an accounting plugin for the SIP IP-PBX-server from brekeke in Java. The accounting data was stored in a MySQL database and could be browsed with a frontend programmed in PHP.

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02/2006 – 09/2006

A Design & Development specification for Airbus was created using Enterprise Architect as UML tool.

Development of webservices for ComBOTS AG using Java (J2EE).

One webservice was responsible for handling the installation and automatic update processes of their product called ComBOTS (client). The client consisted of multiple components that could be updated individually, when a new version of the component was released. On startup the client sent its version to the service and the service checked which files of the components where modified and need to be updated. This was implemented using version specific ZIP files that where dynamically created on demand and cached. So when a client connects with a version number and a corresponding ZIP file does not exist in the cache, it is automatically created, otherwise the cached one is being sent to the client.

Another webservice created personalized Installer.exe files.

The architecture of the webservices was designed so that modifications of configuration parameters were taken into account immediately without a restart of the service. The params could be modified using JMX or by editing the config files.

Used technology:

Eclipse, Maven 1, Maven 2, Jakarta Commons, JAXB, JMX, Oracle, Servlets, Spring, Subversion, Tomcat, XML, Windows and Suse Linux Enterprise.

10/2005 – 02/2006

Software development for the Maguro oHG. Extension of the product NetDoc server. This product allows to document the local network structures and logged in computers based on Active Directory. The extension was to extend the support for laptops: Every time a laptop starts up it creates a XML file via VBScript that contains the current state of the laptop like insalled software, bios-version, attached hardware, etc. As soon as the laptop is connected to the local network it delivers the created XML files to a webservice that stores the data in a MS-SQL database. The webservice was programmed in C# with Microsoft Visual Studio 2003 .Net used as IDE.

05/2005 – 09/2005

Development of a new SUSHI release. The Java multiuser server SUSHI was extended to allow applications and games to be written in Flash, Flash light, J2ME and J2SE. SUSHI could then be extended using JavaScript via Mozilla's Rhino. Some tools like a proxy and integration of SUSHI as a Windows service where programed in C and C++. Used technologies: Ant, Eclipse, Kdevelop, NetBeans, Perl, Subversion, Visual Studio 2003 .Net, Xcode, XML. The product was developed using MacOS X, Windows and Linux.

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- 03/2005 – 05/2005 The product SUSHI was extended to run on a clustered Linux system. The aim was to have at least 20.000 concurrent users distributed over 7 servers. Servers could be added and removed dynamically and the cluster handled the synchronization automatically. This was a contract work for gaiaonline.
- 10/2004 – 03/2005 Development of a portal system to sell mobile content like Java games and ring tones for webfact GmbH. My part in this project was to parse XML-feeds from companies that provide mobile content and to correlate the content with compatible cell phones, delivering the content to the phones using corresponding gateways and implement the payment via PayPal, PremiumSMS and T-Online SAM. This system was used for the MTV format „Streetlive“. Used technologies: MySQL, PHP, SOAP, XPATH.
- 08/2004 Foundation of the company “Rawfish-Software GbR Acker, Sonntag” to distribute the self developed multiuser server SUSHI (<http://www.rawfish-software.com>)
- 10/2003 Foundation of the company “Tier-Star Agentur Bönisch, Sonntag und Stepanow GbR” to place animals in movies, commercials and events. Implementation of the database driven homepage (<http://www.tier-star.de>)
- 01/2001 – Decision to work as a full time freelance software developer and system administrator. Cancellation of the part time work
- 01/2000 – 01/2001 Part time work as a software developer and system administrator at xmachina GmbH and developing software as a freelancer
- 09/1999 – 01/2000 Freelance software development for the company xmachina GmbH
- 05/1997 – 07/1999 Student job at IBM in Heidelberg. Software development in Perl and Java

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## **Study**

03/1993 – 01/2000

Study of Medical Informatics at the university Heidelberg and the technical college Heilbronn with the main subject biological signal- and image processing. Finished with the degree “Diplom-Informatiker der Medizin”.

The final thesis was accomplished at the german research center. The work is part of a system for the planning of the resection of liver tumors. The aim is to minimise the removal of healthy liver tissue. My task was to acquire a symbolic representation of the vessel trees and the tumor by analysing three dimensional CT-/MR-images of the liver. The result can be visualised in 3D and the surgeon is able to plan the operation. The work was performed using C/C++

(<http://mbi.dkfz-heidelberg.de/mbi/projects/liver/index.html>)

## **Temporary Job**

02/1993 – 03/1993

Temporary job at the computer store DoWa in Mannheim

## **Civil service**

11/1991 – 01/1993

Civil service in the protestant welfare centre in Hemsbach

## **School**

1984 – 1991

Gymnasium in Hemsbach finished with the degree “Allgemeine Hochschulreife”

1982 – 1984

Carl-Enlger Realschule in Hemsbach

1978 – 1982

Goethe-Grundschule in Hemsbach

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## Knowledge and abilities

+++ Very good knowledge  
++ good knowledge  
+ basic knowledge

## Operating systems

+++ Linux (Debian, Mandrake, RedHat, SuSE), Mac OS X, MS Windows  
++ AmigaOS, BeOS, FreeBSD, OpenBSD  
+ HP Unix, IBM AIX, SGI IRIX, Sun Solaris

## Programming languages

+++ 16 years C/C++, 10 years Java (J2EE, J2ME, J2SE, JSP), 5 years PHP, 8 years Perl, 8 years SQL  
++ Bash, C#, JavaScript, ObjectiveC  
+ AWK, Basic, Lua, Modula2, MS ActiveServerPages, Pascal, Python, Ruby

## IDEs and build systems

+++ Eclipse, MS Visual C++ 2003 .Net, NetBeans, Xcode, Apache Ant, Antenna  
++ JBuilder, JUnit, Kdevelop, make, Maven, Zend Studio

## Databases

+++ Firebird, MySQL, PostgreSQL  
++ DB2, DB2, O<sub>2</sub> (OODB), Oracle, Sybase  
+ Berkley DB, Caché DB, MS Access

## Systemadministration

+++ Apache, MySQL,  
++ Bind, CUPS, DHCPd, Firebird, IIS, ipchains/iptables, JRun, LPD, Netatalk, NIS, NFS, OpenLDAP, Postfix, POP3, PostgreSQL, Resin, Samba, Sendmail, SSH, Tomcat, vsftpd  
+ Bea Weblogic, DB2, IBM Websphere, JBoss, O<sub>2</sub> (OODB), Oracle, Sybase

## XML

+++ XML, SAX, DOM  
++ XPath, XPointer, XQuery  
+ XSL(T)

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## **Data communication**

+++ JDBC, ODBC, socket programming  
++ FTP/HTTP protocol, named pipes, shared memory, SOAP, RMI  
+ CORBA

## **Payment system integration**

++ Firstgate, PayPal, Premium SMS, T-Online SAM

## **Libraries and GUIs**

+++ Java API, Perl library, PHP library, STL  
++ Apple Carbon, Apple Cocoa, Jakarta Commons, GTK, MFC, MS .Net, MS XML Parser, POSIX threads, Spring, Trolltech QT, SDL, Swing, Win32, Windows threads  
+ ActiveX, Apache Xalan/Xerces, DirectX, OpenGL, wxWindows

## **Version control systems**

+++ CVS, Subversion

## **Application development**

+++ Database driven web applications, Java Swing, Java client/server applications, Multithreaded applications  
++ Apple Carbon, Apple Cocoa, Linux GTK/QT, Windows MFC/.Net  
+ wxWindows (Linux/Windows),  
3D applications/games for Linux/MacOS X /Windows using CrystalSpace, Direct3D, NebulaDevice, NeoEngine, OpenGL, OpenScenegraph

## **Hardware**

Since 1993 buildup of PCs for friends and myself

## **Miscellaneous**

Languages German (native language), english good/very good, latin  
Driving license Passenger cars

Berlin, 31.01.2012

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