

Stefan Pfetzling

B.Sc. Computer Science

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Birthdate: 19.03.1979 Marburg/Lahn



Career & Achievements

02/2011 - Present — IT Operations Developer, 1&1 Internet AG

Since I'm working as IT Operations Developer I'm much more involved with software development and design. For example I developed an event driven cluster management daemon for the web hosting service. For this daemon I also wrote a Dbus-Interface for the Perl Object Environment. Besides developer duties I still do system administrator work.

09/2008 - 01/2011 — System Administrator, 1&1 Internet AG

At 1&1 I administered the servers which run the web hosting offered by 1&1. In this surrounding I improved my knowledge about Debian based systems and their usage in large scale hosting environment.

Furthermore I also improved my knowledge about automated Debian package creation and configuration management.

05/2004 - Present — Director, AP-WDSL GbR

At the time, when I and Marco Ackermann started the Herlefeld.NET project we both founded AP-WDSL. Since that time we are in our spare time providing broadband internet access to few small villages around Spangenberg (Hessen).

For the wireless internet access of the villages I installed a mesh network and implemented a redundant connection via multiple Digital Subscriber Lines (DSL).

While installing this setup I also learned a lot about the usage of Linux (OpenWRT and Debian) on embedded systems.

06/2006 - 08/2008 — Freelancer, dgx new media GmbH

My work at dgx new media GmbH incorporates the administration of typical LAMP setups on a Debian base. Additionally I was there responsible for several installations of Qmail, Exim, Apache Lighttpd and different Asterisk setups.

During one project at dgx, I developed a Perl interface for the Asterisk Manager Interface (AMI).

02/2008 - 06/2008 — Student Trainee, //SEIBERT/MEDIA

In the beginning of 2008 I worked at //SEIBERT/MEDIA as system administrator.

My basic work there was the administration of different Linux (mostly Gentoo) and FreeBSD systems. Also I migrated a complex CVS setup to Subversion.

01/2006 - 10/2006 — Student Trainee, secunet Security Networks AG

At secunet Security Networks I was responsible for some preparations of internal projects within the Linux environment. This included technical planning and tests of a migration from Windows NT4 to a Samba based solution.

During this time I also tested few asynchronous replications for PostgreSQL.

2004 - 2006 — Student Trainee, Hochschulrechenzentrum TU-Darmstadt

At the computer laboratory of the TU-Darmstadt I was responsible for the installation of intel compilers on their Linux systems. Furthermore I improved the security concept of their LDAP setup and was doing some tests of Linux on SPARC machines. This also included compiling Kernels, working with software installation routines and doing usage tests.

2003 - 2005 — Network Administrator, ludwig schneider it-consulting; Darmstadt

For the company ls-itc I reworked the whole website and implemented a redundant web hosting solution based on Debian. Aside from this I implemented a LDAP based central authentication solution.

2002 - 2004 — Student Trainee, Section Intellektik TU-Darmstadt

At the section „Intellektik“ at TU-Darmstadt I was primarily administering Solaris and Linux systems. In addition I migrated the local NIS system with NFS automounters from Solaris to Linux.

2002 - 2005 — Network Administrator, konaktiva

During my time at the student group konaktiva at the Technical University of Darmstadt I administered the firewall and the local network.

Education

1995 - 1998 — Geschwister Scholl Schule (high school)

University-entrance diploma (score 2,6)

1985 - 1995 — Gesamtschule Spangenberg (comprehensive school)

Studies

2005 - 2008 — University of Applied Sciences Darmstadt — Computer Science (Bachelor)

Subject of the thesis:

„Voice-over-IP-Techniken in drahtlosen Mesh-Netzwerken.“ (score **1,0**)

(Voice over IP techniques in wireless mesh networks)

Studienabschluss am 31.08.2008 mit Bachelor of Science. (summary score **2,0**)

1999 - 2005 — Technical University Darmstadt — Computer Science (Diploma)

IT Knowledge

Operating Systems

I have very good knowledge with different Unix systems including Linux, Mac OS X, NetBSD and Solaris due to several years of work experience with a wide range of setups. I have knowledge with Windows too.

Since 2005 I'm certified with LPI level 1.

Programming Languages

I am an expert at programming Perl and using several different Perl modules as for example Moose, POE, Parse::RecDescent. I have good knowledge in C, C++ and Java. Other programming languages or scripting languages like Bash, ZSH and Pike are familiar to me too.

I possess good knowledge with HTML and XHTML. Also I have basic knowledge with LaTeX.

Network Technology

I have good experience in today's network technology and protocols. This includes IPv4 and IPv6.

I implemented very complex firewalls (with several DMZ areas, routing, SNAT/DNAT and multipath routing). Different VPN solutions were also already installed and administered by me.

Internet Services

Because of my work for 1&1, AP-WDSL and ls-itc, I earned knowledge in the area of web hosting services. Several web, mail and file servers were installed and administered by me. This includes Apache, Roxen, Exim (with complex configurations), Courier-IMAP and several similar services.

Voice over IP Solutions

During my bachelor thesis I worked with voice over ip techniques (SIP) and their deployment in wireless mesh networks. I implemented and administered different complex Asterisk solutions during my work at dgx new media.

Databases

Relational as well as hierarchical databases are well-known to me. Very good experience I have within the area of hierarchical databases with LDAP. I have knowledge with MySQL and PostgreSQL too.

Standard Office Software

I'm familiar with using typical office software.

Language Knowledge

German

My mother language is German.

English

I can fluently speak and as well write in English.

Polish

Because my wife is Polish, I started to learn the Polish language. Although I have yet basic knowledge, still it helped me to improve my intercultural communication.

Further Qualifications

I have a driving license including the european classes for driving licenses A, B, BE, C1, C1E, CE, M and L.

Hobbies

In my spare time I like to do bicycling, mostly with my road bike, but also with my mountain bike. In winter I like to do skiing if my schedule allows me to do so.