

Dirk Jagdmann

Contact

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Employment

- Feb 2010 – present Linux developer at [Riverbed](#), Sunnyvale, CA
- Working on MAPI acceleration for the Steelhead appliance.
- Oct 2007 – Dec 2009 Lead Linux developer at [NeoCatena Networks Inc](#), Sunnyvale, CA
- Architected and implemented the [RF-Wall](#) product, a [RFID](#) security appliance. The RF-Wall system is a collection of server processes interfacing RFID readers, evaluating and possibly manipulating RFID tags as they are handled by the readers. Written in C++ and using [PostgreSQL](#) as data storage. The appliance uses several TCP and UDP network protocols to interface readers and backend systems.
- Sep 2005 – Jul 2007 Lead [FreeBSD](#) developer at [Secion GmbH](#) working on software for [Arcor/Vodafone](#), Hamburg, Germany
- Development of a [DynDNS](#) System in a high-availability setup: [mod_perl](#) front end, [PostgreSQL](#) data storage, dynamically configured [bind](#) nameservers.
 - Architected a high-volume download platform for voice mail. This is a high-availability system of 15+ nodes in multiple locations, communicating with XML over HTTP requests, converting [A-law PCM](#) to MP3, utilizing large [NFS](#) storage. Implemented as [perl](#) and C++ server programs.
 - Installation and maintenance of web, FTP and mail servers with FreeBSD.
- 2003 – Aug 2005 Linux software developer at [DN-Systems GmbH](#), Hildesheim, Germany
- Implementation of a web-application for medical services accounting with [perl](#), [PostgreSQL](#) running under Linux and mobile data entry with [iPAQ](#) PDAs and pc-card [smartcard](#) reader.
 - Maintained and improved the [RFDump](#) tool, a [RFID](#) security program for Linux written in [GTK](#) and C.
 - Programmed the GTK-Installer of the Linux [Security Local Auditing Daemon V2](#).
 - Designed a test-suite for email server load tests as Linux [perl](#) scripts.
 - Development of an [OVAL](#) to [NASL](#) proof-of-concept compiler using a [XLST](#) processor as the XML compiler.
- 1998 – 2001 Linux administrator and software developer at [Reese-Data-Exchange](#), Hamburg, Germany
- Installation and maintenance of web, FTP and mail-servers.
 - Development of web-applications with [perl](#) and [PostgreSQL](#): real estate sales portal for a local bank, online-shopping sites.

All employments required developing Makefiles and shell scripts to build and deploy the applications. I have used CVS, SVN and GIT version control.

Education

Sep 1997 – Aug 2005

[Hamburg University of Applied Sciences](#)
Master Degree in [Computer Science](#)

Skills

C/C++ Development

[perl](#) Development

[PostgreSQL](#) and PL/pgSQL

network (protocol) Development: TCP/IP, HTTP, UDP (broad-/multicast)

[OpenGL](#) and general Audio/Graphics Development

Linux/FreeBSD software development, administration and operating system customization

Website/Webservice Development

Microcontroller Development: [MSP430](#), Atmel AVR, [6502](#)

Hardware drivers, Linux kernel and similar tasks

Contributions to Free Software Projects

[dmx4linux](#)

Driver suite for DMX lighting devices for Linux.

[Catweasel linux driver](#)

Linux driver for the Catweasel MK3/4 floppy controller.

[Cisco CMXML Services](#)

cmxml Services for Cisco's 79xx IP-Phones.

[pg_trompe](#)

Multi-Master replication for [PostgreSQL](#).

[multimidicast](#)

Transmits and receives MIDI data via multicast on the LAN.

[Open Cubic Player](#)

A music player for DOS and UN*X.

[NiX OpenGL Demo](#)

A [demo scene](#) style graphics and music demonstration for Windows and Linux.

[srm](#)

Secure file deletion for POSIX systems.

Websites

<http://llg.cubic.org/>

Website containing free software developed by me.

<http://dirk.jagdmann.de/>

Personal website concerning professional topics.

<http://www.cubic.org/~doj/>

Personal website for general computer related topics.