

Jesper Juhl

Curriculum Vitae

Work Experience

- 2011–2012 **C++ Developer**, *Codesealer ApS*, Ballerup.
(current employer) Currently working as a C++ developer at Codesealer ApS. I ported our large C++ (Windows) application to AIX, Linux and Solaris - main area of responsibility is currently keeping the code portable between platforms/compilers and fixing platform specific issues.
I also manage a number of our internal systems, such as; Firewall, DNS server, NTP server, etc.
- 2011–2011 **C/C++ Developer**, *2M-Locatel*, Taastrup.
I was employed as a C/C++ developer. Worked mainly on code cleanup, refactoring, bugfixing etc. Also a bit of work on streaming video.
- 2007–2011 **C/C++ Software Developer**, *Cohaesio A/S*, Copenhagen.
Worked as a C/C++ software developer on two products, Keepit (online backup application) and SysOrb (server and network monitoring). Large emphasis on cross platform code.
Items of special note:
- Worked extensively with the TSM (Tivoli Storage Manager) API.
 - Part of the original design team behind Keepit and wrote most of the original server software.
 - Maintained code running on multiple platforms, including; Linux, Solaris, FreeBSD, AiX, Mac OS X, Windows and others.
 - Wrote and maintained a large number of PostgreSQL PL/PgSQL procedures.
 - Built a large part of the Keepit GUI using the QT library.
- 2006–2007 **Linux Systems Administrator**, *Cohaesio A/S*, Copenhagen.
Responsible for installing, maintaining and supporting a large number of mail (Postfix), web (Apache) and DNS (MyDNS & Bind) servers (around 500 servers in total).
Items of special note:
- Managed storage servers running Linux w/ XFS filesystems and fixed some XFS bugs during this time since they were causing us problems.
 - I set up a new anti spam solution for mail build with Postfix and SpamAssassin.
- 2005–2006 **IT Specialist / Linux Systems Administrator**, *UNI2 A/S*, Ballerup.
Primarily engaged with maintaining the operation of more than 400 Linux servers as well as a number of Solaris and FreeBSD servers, including writing various scripts to ease ongoing maintenance.

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- 2002–2005 **Systems Administrator**, *Danish Sports Confederation of Denmark*, Brøndby.
 Primary job function was maintaining the operation of 15 Linux based servers (web, DNS, anti-spam, search etc) and 5 AiX servers running Oracle. Secondary responsibilities included maintaining the network for 400 users (build on Cisco equipment) and providing some end user support.
 Items of special note:
- I was responsible for setting up a public DNS server and migrating hundreds of internally used domains from various registrars to this new in-house DNS.
 - Together with a co-worker I migrated the organization from a 16Mbit Token-Ring based network with a 2Mbit Frame-Relay upstream link to 100Mbit Ethernet and a new 30Mbit FWA (Fixed Wireless Access) upstream link.
 - Set up and managed Apache based shared web hosting for several sports organisations.
- 2001–2002 **C & PHP programmer**, *Eisenstein*, Copenhagen.
 Employed as a website back-end programmer. Main tasks were writing credit card clearing systems, content management systems, domain name registration systems and similar using C, PHP & MySQL.
- 1998–2001 **IT Consultant**, *Danish Sports Confederation of Denmark*, Brøndby.
 Software/Hardware support of Windows NT workstations, Linux server installation and various Linux and AIX server maintenance tasks.
- 1997–1998 **Self employed IT consultant**, Copenhagen.
 Did Software testing for Testhouse I/S, Internet support for Telia and Get2Net and various minor development projects for various companies.
- 1997–1997 **Mechanical Assembly person**, *Zoma Electronics*, Frederikssund.
 I did various mechanical assembly tasks and soldering of components onto PCBs (Printed Circuit Boards).

Education

- 2003 Completed Cisco Certified Network Associate course.
 2003 IBM AIX Systems Management course
 1997 HF, VUC, Hillerød. Højere Forberedelses Eksamen.

Computer skills

Computer languages - proficient	C, C++	The primary languages I usually work with.
Computer languages - knowledgeable	Python, x86 ASM, Java, PL/PgSQL, Bash, PHP	Languages I have a working knowledge of but that are not my primary ones.

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Libraries	STL, QT, SDL, libsigc++, TSMAPI	Libraries that I've worked with and believe I have a solid understanding of.
Server software	Apache, Postfix, Bind	Commonly used server software that I know well.
Version control software	Git, CVS	VCS software I've worked with extensively and know well.
Databases	PostgreSQL, MySQL	Databases that I've been in charge of and have written stored procedures etc for.

Languages

Danish	Fluent	<i>Native language.</i>
English	Almost fluent	<i>Primary/preferred professional communication language.</i>
German	Poor	<i>Can read German to a limited degree, can speak a little bit of German.</i>

Interests

Linux kernel development	I have been involved in Linux kernel development for over 15 years, doing drivers (initial version of HDAPS driver), small features (like the <code>/sys/devices/*/net/*/carrier</code> file), lots of bug fixes and documentation (like <code>Documentation/applying-patches.txt</code>). I have several hundred patches in the mainline Linux kernel currently.
Linux game development	I enjoy writing games, especially for the Linux platform, using SDL and/or QT.
Scifi and music	I enjoy reading science fiction and listening to heavy metal and opera in my spare time.

Extra

- Was born April 15, 1976.
- Currently live with my girlfriend and two children (twins born in 2008) in Copenhagen, Denmark.
- I have been a Linux user since 1994 and my favorite distributions are Arch Linux and Slackware although I have also used Debian, Ubuntu SuSE and RedHat professionally.
- I greatly prefer working in a UNIX environment as opposed to a Windows one.
- I am a very dedicated person who takes great pride in my work and I am always looking to learn new things, and I learn fast (you have to when you are a self-taught Programmer/Systems admin).

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