CURRICULUM VITAE

NAME: Steven Carr

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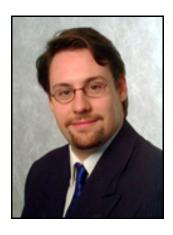50733 Köln,
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Qualification: B. Sc. Computer Science degree.
D.o.B.: 18 November 1974
Nationality: British
Marital Status: Single

Preferred Location: Nordrhein-Westfalen, Germany

Steven is currently seeking employment in the Nordrhein-Westfalen region preferably within commuting distance of Cologne. Steven shows great versatility and can adapt to new situations, applications and programming languages. He has spent 14 years working with UNIX systems and the Internet, and 18 years with PC, DOS and Windows-based systems.

EMPLOYMENT HISTORY:

ISP Systems Specialist,   **August 2006 - Present**
ISH GmbH & Co. KG, Cologne. www.ish.de

After a change in management and company re organization, Steven remained with the company performing his previous job function and system administration of the company's ISP platform.

Network Services Engineer,   **July 2002 – August 2006**
ISH GmbH & Co. KG, Cologne. www.ish.de

Steven was responsible for the redesign, purchase, installation, configuration and maintenance of 9 TB FAS940c Netapp Filer storage systems with offsite snapmirroing and backup, Openldap cluster for central authentication and five node DNS architecture. Also the customer four node CommuniGate Pro Mail cluster with SSL POP, IMAP, SMTP AUTH, webmail, addressbook, functionality integrating with ldap cluster offering various secure authentication methods. After a company merge Steven migrated mail domains and accounts from courier IMAP to CommuniGate and offered virus scanning, SMTP Rate limiting and Email Lawful Interception saving the company 200K Euros. Installed and configured external BigBrother monitoring and MRTG/RRDTool graphing. Steven developed many Perl applications in this role such as a Centralised DHCP Lease Logger database, Email Interception, ZNuew Telephone Monitoring and web based support applications for external companies to monitor Cable Modems. Networking equipment such as Alteon Load Balancers, Nortel Passport 8600, Netscreen and linux firewalls were also supported.

ISP Team Leader,   **November 2001 – May 2002**
ISH GmbH & Co. KG, Cologne. www.ish.de

ISH purchased and upgraded the Cable Television Network in Nordrhein-Westfalen to a Hybrid Fibre-Coax network offering an estimated 4.5 million customers Telephony, Digital Television and Broadband Internet access. The position was based in the Network Operations Centre as 3rd Level Technical support for the ISH ISP services namely DNS, web, Email, News, Instant Messaging, Streaming Media, Gaming, LDAP, NetApp filers. This was an excellent opportunity to work with large scale systems and new technologies. Steven was personally responsible for the setup, configuration, security and mirroring of Jabber Instant Messaging Platform, Dnews Usenet services, Lightwave Console Servers. This was a Solaris 8 environment.

Systems Administrator,   **December 1996 – September 2001**
Scottish Cultural Resources Access Network, Edinburgh. www.scran.ac.uk

The SCRAN Project is a £14 million National Lottery project to create a web database of Scottish Culture and History, a database of 1.5 Million records with approximately 4,000 licensed institutions. By joining at the beginning of the project Steven has been responsible for the purchase, configuration and maintenance of the computer systems and IT infrastructure, taking SCRAN to its current medium-sized office network and cluster of Solaris servers offering web Database and Image Watermarking services to the public. Systems Adminstration covered many areas: web Design/Programming/Management, Database Design/Administration, Network Management, Data Conversion Programming, Tech Support and Staff Training. It was an excellent opportunity to set up systems from scratch installing, configuring and maintaining Apache/FTP/Email

/DNS/File and Print servers, various databases, web interfaces and image watermarking facilities, then later ensuring these systems were Y2K-compliant. Also file sharing configuration between the various operating systems. Solid programming proved to be invaluable in many situations, ranging from various day-to-day administration tasks, creating various new web databases and network tools, thus saving the company a substantial amount of money. He also created a Perl module for Apache to authenticate from multiple databases using cookies. As the project progressed he became involved in recruiting more IT staff enabling him to take on more managerial duties, for example overseeing upgrades to Windows 2000, Implementation of firewall and E-commerce systems.

Web Programmer,   **November 1996 - December 1996**
University of Stirling, Stirling.

As web programmer, Steven created web interfaces to access an Oracle database and produce an online student tutorial. Setting up and configuring a web-based messaging system, similar to Internet news, was also a key part of this position.

Unix Support,   **June 1996 - November 1996**
University of Stirling, Stirling.

This position involved providing support in maintaining and installing new software on the University's HP-UX network. Setting up and constructing web interfaces for mailing list software, organising new data backup procedures, producing web to Oracle interfaces to be used to allocate IP numbers for University computers according to their new subnetting scheme. Whilst at this position he undertook a project to produce a standard set of bibliographic icons for international use by the IFLA. The project was received well at a conference in Beijing where they were proposed to become an Internet Standard.

EMPLOYMENT WHILST STUDYING:

Systems Support,   **March 1995 - June 1996**
AGC-Tel Consultants Ltd, Glasgow.

This position involved maintaining PC systems and connecting the company to the Internet. The company now has access to Email, Telnet, FTP, USENET and the World Wide Web.

Web Design and Construction,   **November 1994 - March 1995**
University of Stirling, Stirling.

Designing and creating web pages and structures along with imagemaps and CGI programs for interactive web pages. Published the University's Information Services Magazine on the web. He implemented a web structure to enable the different departments of the university to progress on to the net. This employment involved consulting clients to assess their needs, present them with prototype solutions and refining these solutions, if required, to the clients requirements.

Computer Tutoring,   **October 1994 - November 1994**
University of Stirling, Stirling.

Worked teaching Word Perfect and Quattro Pro to students on evening classes. This involved helping the students and answering their questions.

Computing Advisor,   **June 1994 - November 1994**
University of Stirling, Stirling.

This was a position of responsibility, dealing with the public, analysing and solving problems quickly and efficiently. It involved maintaining and repairing computers, all aspects and platforms. He dealt with many varying problems from Windows, disk failures, printers, and network problems. The position also involved working in a team with other advisors.

COMPUTER RELATED SKILLS:

Programming Languages:	Perl, Unix shell scripting, IPI, PHP, C, C++, Pro*C (SQL), Oraperl (SQL), Awk, Lex, Pascal, Ada, Miranda, Prolog, COBOL, COMAL, BASIC.
Operating Systems:	Solaris 8, 9, Debian, Ubuntu, Suse, Linux, HPUX, Windows (XP, 2000, NT, 98 ,3.1, DOS), Mac. AmigaDOS, BBC.
Miscellaneous:	Apache, OpenLDAP, CommuniGate Pro, postfix, sendmail, DNS bind , Index+, Jabber, SSH, Dnews, TCP/IP, ProFTPD, POP3D, HTML, CGI, MySQL, Oracle, ODBC, MS Office, C++ Code Warrior, Photoshop, Yacc, Latex, Z39.50, Samba/SMB, Remedy, Checkpoint Firewall, iptables, NAT, nmap, lsof, tcp_wrappers, MRTG, RRDTool, Asterisk VoIP PBX

Language skills: Conversational German

ADDITIONAL ACHIEVEMENTS AND SKILLS:
Clean driving licence. He was also moderator of a USENET newsgroup, created and maintained Web pages for it, which received 10,000 visitors from the period Sep 7th 1994 - Feb 19th 1996.
He also wrote a TCP/IP based CGI program to retrieve Web pages across the Internet, strip out HTML codes, manipulate the text then display the page on a web browser.

RECENT TRAINING COURSES:
German, Remedy, CUDA 1200 CMTS, Web Database Interaction, Web Graphics, Time Management, Advanced HTML, Ms Access, Photoshop.

EDUCATION:

University of Stirling, Stirling.   **1992 - 1996**
Degree Awarded: B. Sc (Honours), Computer Science Grade 2:1

Dissertation: Implementation of a HTTP server: The project concerned building an information server for the World Wide Web. The server had to be robust, secure and efficient, as it would be continuously running with many concurrent users. Advanced UNIX system programming was required to implement sockets, concurrency and interprocess communication.
Platform: UNIX,   **Language:** C   **Protocol:** TCP/IP

Other Projects Undertaken at University:
Group Project: **Implementing a Miniature UNIX File system.**
In this project the group had to learn the inner workings of the UNIX file system and implement a slightly smaller version. In this case the virtual disk was implemented as a binary file. The file was then split up into blocks and treated as if it were the real UNIX file system, with Inodes and Super blocks. A dummy shell was placed on this to give the interface to the program. An 'A' grade was awarded for this project.

Douglas Academy, Milngavie, Glasgow   **1986 - 1992**
2 Sixth year studies
5 Highers
7 Standard / O Grades

REFERENCES: *Available on Request*