

Profile

I am a Systems Manager for the Oxford Supercomputing Centre, which provides a central facility for High Performance Computing to researchers at the University of Oxford. My responsibilities cover day-to-day user and systems support, as well as the design and implementation of new services and infrastructure to better serve the needs of our users.

I am a qualified programmer, and my interest in software design has enabled me to create several software utilities for my own personal use as well as by the Supercomputing Centre. I have also written a series of articles and guides on Open Source software for publication on a major online source, and am a known contributor to major Open Source projects.

I am bilingual French-English, dynamic, confident and highly motivated individual who enjoys the challenges of the ever-changing world of information technology, keen to expand my own knowledge and skills with the challenges that greet me.

Education

2001-2004 **Computer Science BSc (Hons) 2.2, University of Southampton, Hampshire**
Particular interest in computer graphics and advanced audio analysis, general Java & C programming.

1995-2001 **14 GCSEs and 5 A-Levels, Aylesbury Grammar School, Buckinghamshire**
Most notable subjects GCSE French [A*], GCSE Russian [A], A-Level Maths [A,B], A-Level Computer Science [A].

Relevant Experience

2004- **Oxford Supercomputing Centre, Systems Manager**
One of two systems managers in a small team dedicated to the provision of OpenMP and MPI High Performance Computing equipment to University of Oxford researchers across a variety of disciplines. Typical day-to-day roles would involve dealing with user queries, tending to any hardware maintenance issues, and fine tuning of system software configuration. I also helped to design many aspects of infrastructure for new facilities, such as replacing NIS with LDAP for user account management, eliminating insecure usage of RSH across all facilities, and crafting of a new cross-platform GUI tool to manage user and system properties. These services have all been combined together into a customized Linux distribution for easy deployment across OSC infrastructure hardware.

2002-2003 **gaming.HEXUS.net, Editor**
Wholly responsible for all editorial roles for gaming.HEXUS.net, a videogame-centric section for the UK's largest independent PC hardware news/reviews website. Typical roles involved Public Relations liaisons with large publishing companies, writing news & reviews for publication or preparing other peoples' work for publication, recruitment of contributors. Over my time as Editor I formed strong ties with a number of industry heavyweights such as Eidos and THQ, and managed a small dedicated team of review and news contributors.

Key Skills

- Skilled with software development, including programming experience in C, C++, C#, Java, ASP, JSP, Scheme, Perl and Prolog.
- Experienced with use and configuration of many operating systems including MS-DOS, desktop Windows versions from 3.1 to Vista, Windows 2003 Server, BeOS, Sun Solaris, and recent Debian, Ubuntu, SUSE and Red Hat Linuxes.
- Experience with a wide array of infrastructure and server packages, such as OpenLDAP, Apache, Exim4, NIS, FlexLM, MySQL, PostgreSQL, RequestTracker, SAMBA, NFS, Sun Grid Engine, PBS, and more.
- Extensive x86 hardware assembly and maintenance experience, experience with the assembly, testing, and maintenance of gigabit networking systems, as well as specialist network fabrics such as Myrinet or Infiniband.
- Fully bilingual – a native speaker of French and English.
- Experienced at working both alone and in a team, and working to deadlines – have engineered software for Southampton Airport, whilst in degree education.
- Free Software contributor – packager for Ubuntu and Debian Linux distributions, which

gives me intimate knowledge of software packaging semantics, as well as dealing with people worldwide in a coherent fashion.

- Member of advisory committee for OSS Watch, a JISC-funded service offering licensing, development and usage advice for academia on the topic of Open Source software.
- Speaker at FOSDEM in 2010, one of Europe's main Free and Open Source software conferences.

**Personal
Details**

Born on March 31st 1984
Clean UK driving license

Interests

A keen technology hobbyist, partial to video games as well as computer hardware building and modification.

Referees

Dr Jon Lockley, University of Oxford, jon@osc.ox.ac.uk.
David Ross, www.HEXUS.net, david@hexus.net.