

# Kris Davidson

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## CONTACT INFORMATION

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## PROFILE

Linux geek, system administrator, networking professional, IT support expert and security consultant; holds a first class honours degree in Computing & Networks and a diploma in Technical Support, with extensive knowledge and experience of IT, systems and network administration, technical support, security, penetration testing and related areas. Has designed, deployed, documented, managed and repaired a variety of systems. Learns new concepts, systems and technologies quickly and is receptive to new ideas. Works well alone or in a group and has experience managing groups and coordinating teams.

## TECHNICAL SKILLS

Linux (Debian, Ubuntu, Fedora, Red Hat Enterprise Linux, CentOS, SLES, OpenSUSE), Unix (OpenSolaris, Solaris 10, AIX), BSD (FreeBSD, OpenBSD, Max OSX), Windows (2000, Server 2000, XP, Server 2003, SBS, Vista, 7, Server 2008), Networking, Networks, Networking Protocols (IPv6, DNS, DHCP, TCP/IP, HTTP, SSH, IMAP, SMTP, POP3), Cisco (IOS, Routers, Switches, ASA and PIX Firewalls), Vyatta, Juniper, Databases (MySQL, MSSQL, PostgreSQL, SQL), Oracle 11g, Scripting (BASH, Shell, Perl, Python, VBScript), Apache, NginX and IIS Web Servers, MS Exchange (2000, 2003, 2007, 2010), Mail Servers (Sendmail, Postfix, Exim, Dovecot, Courier, Zimbra), Telephony (VoIP, PBX Switches, Asterisk), System Administration, Networking Administration, Technical Support and Troubleshooting, Directory Services (LDAP, OpenLDAP, NIS, Active Directory), Systems Management (Monitoring, SNMP, Nagios, Icinga, Munin, Cacti, Puppet), Virtualisation (Xen, XenApp, XenDesktop, VMWare, vSphere, Citrix, Cloud Computing, KVM, SaaS, IaaS, PaaS), Linux System Administration & Windows System Administration, Security (Penetration Testing, Snort, AIDE, IDS), Data Recovery & Forensic Computing, Web Design and Programming (HTML, HTML5, CSS, PHP, ColdFusion, Django, XML).

## EXPERIENCE

### Navertech

*Graduate*

**December 2009 to the present**

In this position, I do a bit of everything - system administration, managing Linux servers, working on Windows servers, remote support, tech support, web programming, research, testing, prototyping, scripting, data entry and data processing. Just some of the things I have done include:

- Securing, upgrading and optimising their Linux servers.
- Optimised and normalised an unwieldy 33,607 table MySQL database into one of 6637 tables.
- Automating several existing data entry systems.
- Scripting various repetitive administration tasks.
- Implementing a monitoring and management system using Icinga (Nagios).
- Installing and configuring the Snort and AIDE intrusion detection systems.

### Sitel/BT Retail

*Technical Agent*

**May 2008 to August 2008**

- Worked on a BT Business contract providing technical support on the phone and via remote support software to small/medium sized business customers.
- Answered technical queries and questions from other colleagues.
- Duties ranged from talking someone through configuring an ADSL router to solving an Exchange problem by fixing DNS and Active Directory, with everything in between.

### Câmara Municipal de Setúbal

*Systems Administrator*

**May 2007 to September 2007**

- Chosen from many to join a group of six and take part in a prestigious and sought-after european work experience programme.
- Personally requested for this position during the initial stages of the programme, because of my knowledge and experience.
- Responsibilities were the day-to-day duties of an IT department, such as backups, asset management, supporting local users & systems, developing IT systems, and writing processes and technical documentation.

- Took part in the council's switch-over to a fibre optic network backbone and the associated infrastructure upgrades.
- Also did remote support and managed service duties for local schools. Some tasks requiring a site visit.

### **Imm'Press/Partis Ltd**

*IT Manager*

**October 2003 to September 2005**

- Designed and deployed an 80 machine network running Windows 2000, XP, 2003, Active Directory, Group Policy, DNS, DHCP, FTP, Exchange, ISA, LCS, IIS and MSSQL.
- Later augmented and replaced parts of this network with Open Source equivalents, such as Linux, Sendmail, BIND, Samba, IPCop, Squid and Apache.
- Provided technical support and advice to the employer and their customers.
- Setup and utilised various remote support solutions for customers.
- Managed, organised and lead a four person technical team.
- Assisted in some training, such as IT intro and computer literacy courses, ECDL and various Microsoft and Cisco certifications.
- Wrote technical documentation and procedures both internally and for customers.
- Coded several bespoke pieces of software and web applications to ease and abstract systems management and day-to-day technical duties.
- Worked within and deployed systems and solutions on a tight budget, due to the startup nature of the company.
- Conducted forensic investigations and data recovery for customers.
- Implemented penetration tests and security audits for my employer and his customers.

### **Manpower/BT Global Services**

*Technical Analyst, Grade 3*

**June 2002 to September 2003**

- Supported larger, high-end corporate customers on a variety of network, IT and telephony related products.
- The nature of the customers and their networks meant a large degree of independence was allowed, with employees becoming de facto network administrators for the customers they dealt with the most.

## **EDUCATION**

### **University of Abertay**

**BSc (Hons) Computing & Networks**

**September 2007 to June 2009**

- *Classification:* First class honours (only award in the entire computing year).
- *Honours Project:* IPv6, its implementation and migrating from IPv4.
- *Activities:* Student Representative 2007/2008 and 2008/2009, Treasurer and System Administrator of The Linux Society (TayLUG) 2007/2008 and 2008/2009.
- *Awards:* IET (Institution of Engineering and Technology) prize, presented to the best honours students in the country.

### **Dundee College**

**HND Computing: Technical Support**

**September 2006 to May 2007**

- *Diploma Grade:* A.
- *Project:* How to setup, manage and document an LDAP based network.

### **University of Abertay**

**CertHE Computing**

**September 2005 to June 2006**

- *Classification:* Pass
- Transferred to Dundee College after the first year, as I wished to specialise earlier than the degree allowed.

### **Wick High School**

**Various Highers and Standard Grades**

**September 1996 to June 2002**