



SPECIALIST PROFILE

Personal Details

<i>Reference:</i>	CN5191
<i>Job Title:</i>	Senior Linux Engineer
<i>Nationality:</i>	British
<i>IT Experience:</i>	22 years
<i>Qualifications:</i>	RedHat Certified Engineer Diploma in Computer Science
<i>Languages:</i>	French

Overview

Architecture and Products:

ACTIVE DIRECTORY, APACHE, CENTOS, CHECKPOINT, DHCP, DNS, HP OPENVIEW, HP STORAGEWORKS EVA, HP-UX, HTTP, IMAP, INFORMIX, KICKSTART, MYSQL, NFS, ORACLE, ORACLE APPLICATION SERVER, POSTGRESQL, RED HAT ENTERPRISE LINUX, RED HAT LINUX, SAMBA, SAN, SCO UNIXWARE, TCP/IP, UNIX, VERITAS NETBACKUP, VMS, VMWARE, WINDOWS.

Programming Languages:

ASSEMBLER, C, DHTML, HTML, JAVASCRIPT, PASCAL, PERL, PHP, PL/SQL, SQL, VBA, VISUAL BASIC.

Specialist Experience:

Linux systems administration and support.
RedHat Enterprise Linux installation.
RedHat Linux daily operational management and backup.
Linux development, maintenance and monitoring.
Linux estate integration.
Implementation and deployment using PXE.
Solaris migration and rebuild.



EDUCATION AND QUALIFICATIONS

Professional: RedHat Certified Engineer
Diploma: Computer Science
8 GCSEs: Including English & Mathematics

KEY IT SKILLS

Programming: Pascal, Assembler, C, SQL, PL/SQL, PG/PGSQL, JavaScript, PHP, HTML/DHTML, CSS, Centura Team Developer, Visual Basic, VBA, Perl.
Databases: Oracle/Oracle Application Server, MS Access, PostgreSQL, MySQL, Informix.
Platforms: RedHat Linux, CentOS, Windows 3.11/95/98/2000/NT 3.0 - 4.0, XP, Unix (Sun OS, HP/UX), SCO, VMS.
Other: Apache Web Server, SAMBA, Veritas NetBackup, Checkpoint Firewall-1, Firewall Builder.
E-Mail Servers: FTGate, FTGateOffice, CommuniGate Pro, Courier - IMAP.

FURTHER SKILLS

Languages: French (Fluent)

CAREER SUMMARY

Nov-2011 - present

Linux Consultant for an IT services company

- LDAP Migration from Solaris Platform to RHEL 6 x86. The project was to replace the existing insecure LDAP directory with an SSL secured directory on RHEL6 synchronised with Microsoft Active Directory. Additional supporting scripts (Perl) were required to fully implement account locking between AD and the LDAP server and to migrate posix account information from the existing Solaris LDAP Directory. Client systems included AIX, CentOS, RHEL 4/5/6, Solaris 10, SUSE, Ubuntu.
- Detailed Documentation of 389-DS LDAP installation, server and client configuration.
- Change Management using HP Service Centre ticketing system.
- BAU / Day to Day tasks.
- Task tracking and management using HP OpenView ServiceCenter

Oct-2011

Linux Consultant for a financial services company

- Short-term project, to code an additional invoicing method within the existing Billing Database (PostgreSQL) framework.
- All changes and modification logged in a JIRA ticketing System.

Sep-2011 / Oct-2011

Linux Consultant

- Migration of an in-house developed web application from Solaris / Sparc to RHEL5 / x86_64.
- The project consisted of rebuilding the Solaris /Sparc application on an Intel x86 64bit platform, testing and documenting the process.



Feb-2011 / Aug-2011

Linux Consultant for a financial services company

Jun-2011/Aug-2011

Database Consultant

Space Recovery and Database optimisation of a 24/7 OLTP Database System.

Feb-2011/Jun-2011

Senior System Administrator

Firmware upgrades, server builds and installation.

- PCI-DSS Compliance (tier one compliance), failure point analysis and remediation.
- NIS replacement with RedHat Directory server, puppet configuration management definitions to provide centralised server configuration management.
- Change management using JIRA.
- PostgreSQL database relocation and upgrade v7.4 to v9.0, bug fixing and performance tuning.
- Rewriting bash scripts in Perl for performance, reliability and enhancements to the existing code base.
- Implemented streaming replication for High Availability of PostgreSQL database.
- Tweaked Nagios PostgreSQL plug-in to suit environment.
- BAU providing support and assistance where required to maintain day-to-day business tasks.
- Knowledge transfer to junior system administrators as part of handover/exit.

Nov-2010 / Feb-2011

Linux Consultant for a financial services company

- Responsible for securing the AHL RedHat Linux Estate to protect the companies Intellectual Property. This project included integrating the Linux estate with the company's existing Active Directory servers to provide Kerberos, Single Sign On, centralised user management, NIS and NetGroup configuration.

Jun-2010 / Oct-2010

Linux Consultant for a travel company

- Responsible for making RedHat Enterprise Linux 4/5 Servers meet PCI-DSS compliance with the aid of Tripwire Enterprise. Perl / bash / awk scripting to apply changes required by Tripwire Policy.
- Consultancy on server build and configuration management and maintenance.
- Installation and module configuration for Puppet Configuration Manager.

Mar-2010 / May-2010

Linux Consultant

- Bespoke database design project. (Non-disclosure agreement in effect).

Nov-2009 / Mar-2010

Linux Consultant for an IT supplier company

- Configuration of raid level, disk partitioning and installing RedHat Enterprise Linux 5 on Dell PowerEdge R710 Servers to conform to client specifications.



Jun-2009 / Nov-2009

Linux Consultant

- Responsible for developing the technical infrastructure architecture specification and environment sizing documentation for an extremely large online retail portal.
- Creating project plans and management schedules for the installation and proving of proposed hardware and software environments.

Apr-2008 / Jun-2009

Linux Consultant for a bank

- Responsibilities included the daily operational management and backups of all RedHat Linux Servers for the Netherlands Technical Team (50 HP-DLxxx Servers G5/G6) to ensure that BAU requirements for all of the Technical Team Projects were met.
- Providing global Linux support to the teams reporting to Legal and Compliance based in the Netherlands.
- Bringing all hardware firmware up to date.
- Configuring iLO access and management.
- Managing and monitoring Backups (HP Data Protector).
- Lead on the design and implementation of a RedHat KickStart solution for rapid server deployment using PXE / TFTP and HTTP and reviewing Cobbler generated scripts.
- Implemented a centralised YUM Repository for deploying RPM package updates on a CentOS host platform.
- Provided consultancy and documentation on implementing a Disaster Recovery Programme.
- Lead on the implementation of xen and VMware ESXi virtualised platforms to replaced old hardware.
- Responsible for providing environments and advising on project development.
- Implemented test and production environments using VMWares' ESXi virtualisation platform.
- Implemented HP Openview system monitoring.
- Replacement of old software firewalls with updated IP Tables firewalls (managed with Firewall Builder).
- Implemented LDAP user authentication.
- Bash / awk / Perl scripting covering general system monitoring / reporting and creating init scripts for applications lacking standard start-up procedures.
- Documenting server builds, bespoke application installation procedures and providing hardware specification.
- Monitoring Hardware status, HP EVA SAN and DLxxx G4/G5 Servers.

Jan-2007 / Apr-2008

Linux Consultant for a healthcare company

- Integral to the daily operational management of the IT infrastructure involving responsibility for the ongoing management, development and maintenance of all RedHat Linux Servers.
- Responsible for providing hardware and OS builds for the migration of the company's core applications and services to a new hardware platform.
- Working closely with the Oracle DBA's on a daily basis to ensure that server configuration and disc storage met the Oracle RAC database requirements.
- Involved with daily Change Control meetings and the Technology Forum reviewing IT project proposals.
- Responsible for monitoring all aspects of the RedHat Linux systems and backup management.
- Ensuring the timely resolution to any occurring server issues. Actively contributing to the successful running of a successful disaster recovery programme following a power supply failure with responsibility for restoring all services.



- Responsible for implementing KickStart server deployment for new Disaster Recovery programme using PXE / TFTP and NFS.
- Created a database to store historical system performance and usage statistics automatically gathered using bash and awk and perl scripts. Management reports generated from this data made available through a PHP web interface running on an apache webserver.
- Implemented an internal website using Joomla on an Apache server to help manage day to day tasks and centralise information for the Linux and DBA teams.
- Managing SAN Storage, HP EVA5000 and Dell/EMC

2004 / Dec-2006

Linux Consultant

- Providing RedHat Linux and CentOS consultancy services to a range of small to medium size businesses
- Developing project plans and managing Linux projects for Starnix's clients.
- General scope of these projects was to create low cost Linux (CentOS / Free version of RHEL) based infrastructures:
- Centralised file storage using SAMBA to allow access from MS Windows PC'
- Configuring DHCP servers, DNS Forwarding servers.
- IP Tables based firewalls, Apache web servers.

2001 - 2004

IT Manager

- Responsible for all aspects of the IT infrastructure security management involving accountability for the creation and update of security processes and policies.
- Responsible for hardware specification and procurement of servers, desktops, network equipment and laptops.
- Providing IT Strategy and development plans consultancy to the board of directors.
- Adopting a continuous improvement strategy, proactively identifying and implementing system enhancements and improvements.
- Responsible for the development of a new client/server database application based on a CentOS Linux PostgreSQL database and written in Centura Team Developer, C and PL/PgSQL
- Responsible for maintaining and improving existing MS Access / VBA applications.
- Managed, maintained and developed the client web portal using apache PHP and PostgreSQL.
- Providing a high level of leadership, training and support to a team of five developers and two system administrators to ensure full and timely delivery of all technical requirements and IT support services.
- Project management of the IT Environment and development cycle of bespoke in-house software.