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| Chris Leigh Smith | |
| I am an experienced DevOps professional who, for the last 28 years, has been designing, implementing and supporting high availability Unix/Linux applications in Business Critical Systems for Investment Banks and Corporate customers.  My Career continues to be varied, from Client facing and phone support to demanding end users (traders and developers) to full scale Unix Linux Wintel infrastructure implementation, upgrade and project management.  I can quickly identify and resolve issues through my full end to end I.T knowledge, Systems Administration experience, on many operating systems and complex heterogeneous environments. | |
| **Operating systems:** | Red Hat Enterprise Linux 4/5/6/7, Centos, Fedora, Ubuntu, Debian, Amazon Linux, Kali and FreeBSD.  RHEV & VDI, XEN & MRG, OpenStack, Solaris 10/8, VMware ESXi Sphere 5, Windows Server 2003/2008, Active Directory, IIS, SBS, Win7/10, MacOS X / 9.x, Symantec Veritas Cluster Service, SAN, Bacula Backup server. |
| **Server Applications:** | AWS EC2, RDS. Sybase 12, Sendmail, postfix, MySQL /Mariadb, postgres and informix Databases. Squid, Samba, Apache, HAProxy SELinux, Scalix, SpamAssassin, ClamAV, Dovecot, DNS, DHCP, Puppet Labs, Nagios, Sophos, TR Matching Api FIX (MFG)Reuters RMDS, DACS, DBU, Tibco RVD,MS Exchange, RFA, Tibapi, Geneos, Hawk, |
| **User Application :** | TR Kobra 5.2, TR Eikon, TR Dealing 3000, Bloomberg, Microsoft Office 2003 / 2007, including Access Database, Open Office, LibreOffice, Exceed, Reflections, Ghost, OPK |
| **Networking:** | Tibco Multicast RVD, TCP/IP to packet level |
| **Cloud and DevOps** | 3 Years AWS, Dynamic Data, UKCloud, Microsoft Azure, Openstack and GCP.  Ansible, Puppet, Terraform, Jenkins and JMeter.  LXC, Docker and Kubernetes (Basic POC) |
| **Scripting coding:** | Perl, Bash, HTML, SQL, Git and Gerrit, Java Script, Command/batch, BBC Basic ! |
| **Server Hardware:** | Sun M,V, X , HP, Fujitsu, Dell, Compaq, Mac, Acer and Blackberry |

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| **Employers:** | **Current** | |
| **Ministry of Justice,** **London, SE1** | **SysOps / DevOps Common Platform** | **Jan18 - Present** |
| **Job Description: BAU Triage of Prod, PreProd, Dev and Test environments** | | |
| **Managing Jira Agile solution for Development implementation and integration issues. End to end workflow Support for Test>Dev>UAT>PPRD>PRD VAPP Environments**  **Developer support** (300+ users) for Gerrit(Git) issues including repo corruption and backup issues.  Advising on **Zabbix** performance monitoring and **Bacula** configuration and investigating Postgres issues Documentation of Zabbix upgrade process and **Postgres FT and HAProxy configuration.** Use of **ansible**, puppet and **Terraform,** **gerrit**, bacula and zabbix to maximise the reliability and efficiency of application migrations from UKCloud(skyscape) to Microsoft Azure | | |
| Skills Gained: **Gerrit, Postgres, UKCloud, HaProxy, Jira** | | |

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| **Previous Employers:** |  | |
| **change, grow live,** **Brighton, BN1** | **Linux System Administrator /DEVOPS** | **Jan16- Jan18** |
| **Job Description: Production support of all Linux Server infrastructure for case management healthcare system. Reporting directly to head of development and head of IT.** | | |
| Maintaining and Migrating Case Management **LAMP baremetal** servers to a new **AWS infrastructure.**  **DEVOPS** Bridge role within in the companies distributed **Development workforce.** Working within IT Department in the Development Team.  **Proof of concept DR Solution** testing **Centos & Azure** vs **Centos & AWS** vs **Centos & oVirt** vs **Centos & Apache Mesos, Jenkins, Git, Ansible, Puppet,(Infrastructure as code)**  **Pen testing** and Web Security using **Kali, Qualys and IPS Snort OSSEC**  Build demo of Invision Forum CMS **using Amazon Linux 2, EC2, RDS(Aurora DB), Route53, ELB, SNS, Elastic Cache, AMI and WorkMail.** using **Terraform**  Proof of concept **Continuous Integration with Jenkins. Docker LXC and Kubernetes (OpenStack)**  Move **Bash/Perl monitoring scripts** to **Zabbix Monitoring with Slack alerting** | | |
| **Skills Gained: Git, Ansible, Vagrant, Terraform, Jenkins, AWS, Azure, Zabbix, Kali, OSSEC, Perl** | | |

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| **LJE, 95 Ditchling Road,** **Brighton, BN1** | **Systems Administration & Project Management** | **Jan12 – Oct17** |
| **Job Description: Operation and Project consultant for Linux and 'Open Source' application servers. Upgrade and migrate all Redhat / Windows servers onto a virtualised RHEV6/RHEL 6 server farm.** | | |
| **Core duties:** Pre and Post sales commissioning engineer.  Install **Redhat RHEL6 virtualisation server** RHEV and **Windows 2008** infrastructures.Capacity **test RMDS on RHEV vs vmWare** and **Redhat MRG.**  Create new standard server build for Small Business users to use Redhat RHEL6 with Xen virtualisation instead of previous Microsoft Small Business Server 2003.  Proof of Concept for Educational Clients relating to Virtual Desktop Infrastructure, replaced PC Laptops with Thin clients and **Redhat Virtualised VDI**  **System administration of all in house Unix and Windows infrastructures** and remote clients site consultancy. Impartial I.T audits to SME's in London **and South Coast** | | |
| **Skills Gained: Team Leadership Redhat MRG Linux Tuning Scripting Integration, Puppet Labs, Bacula Backup,OpenStack** | | |

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| **ITRS Group, Worship St**, **London** **EC2** | **Consultant Professional Services** | **Aug 11 – Dec 11** |
| **Job Description: Design and Implement Unix, Linux, and Window infrastructure, Application, Performance and Business flow monitoring.** | | |
| **Core duties:** Analyse Global Corporate client Mission critical systems, business continuity and workflow. **Utilising ITRS Geneos Gateway, Netprobe, Plugins, Scripts** and **XML configuration to deploy bespoke Monitoring solutions for the clients individual alerting and reporting needs.**  **Manage existing client product issues** and escalate any new **products fixes or enhancements to developers** and senior management for further **upgrades and testing**  **Projects: Citibank Global Trading Technologies infrastructure Monitoring. HSBC Realtime Treasury and DR Monitoring, DBank Rates Application Monitoring.** | | |
| **Skills Gained: ITRS Geneos Gateway & Active Console. Centos Clusters, Plugins for Process, Infra, RMC,TT, Oracle, Web monitor, Latency Monitor. Windows, Reuters RMDS, Control statements, Include Hierarchy, Software Licensing and Debug tracking** | | |

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| **Societe Generale,**  **41 Towerhill**, **EC3N** | **Market Data Services Technology** | | **Nov ‘09 – Aug ‘11** | |
| **Job Description: Monitor, Maintain, Capacity Plan, Project manage Server infrastructure for all EMEA Market Data / Broker trading applications for 1300 users** | | | | |
| **Core duties: 2nd /3rd Line support of all Market Data Unix Linux and Windows based vendor services** (250+) **Capacity planning for 54% increase in users**  **Projects: New Datacenter fit out for High Frequency Trading Reuters Autoquote** and EBS FIX. **DBU & RDU** Upgrade. Upgrade to **v3.1 RWDS** Blackberry servers. Migrate shared **Radianz** and Broker Leased line feeds to **BGP Dynamic failover infrastructure**. **DACS** Service Cleanup. Power down and DR test’s all London offices.  **RMDS Solaris to Redhat Migration,** complete rebuild of TEST DEV PRD environments & Scripts**,.Proof of concept Capacity test** benchmark **Virtualisation Vmware vs Redhat RHEV / MRG** with RMDS in preparation for full ‘swing’ infrastructure temporarily to **vmware for upgrade**. Beta Role out of **Reuters Matching API FIX solution ( MFG)** | | | | |
| **Skills Gained: RHEV VmWare Sphere 4.1, MRG, RWDS, Thomson One, Ver 2 ITRS Geneos Gateway & Active Console. D3000 Autoquote TOF, Datastream, Factset, GFI, Horizon, SDC Platinum, Phoenix, Creditex, BGC, ICAP, LME Select, EBS Prime, EBS Ai FIX servers.** | | | | |
| **Fortis Bank,**  **Aldermanbury Sq**, **EC2V** | | **Server Support Clearing Systems** | | **May ‘09 – Nov 09** |
| **Job Description: System Administration** of **Sun M5000 Solaris 10 Veritas Cluster Services** running on **HP EVA8000 SAN and Informix Database.** Support and Projects relating to **Clearing Systems ‘trafic’ Middleware, including Unix/Linux/Wintel** and **Swift CREST Access Alliance** servers | | | | |
| **Core duties:** Backfill for existing **Clearing Systems Engineering Team members.**  Document, 2nd/3rd Line **Support Unix / Wintel Swift CREST Payments middleware. Back office STP Settlements to CREST participant institutions via Swift Alliance Servers.**  **Projects:** Planning and implement migration of the Settlements infrastructure to two **new Data centre’s in London / Slough**.  Complete **Symantec VCS** installation across LIVE/DR sites | | | | |
| **Skills Gained: Symantec VCS HA Clustering Suite, LLT, HP EVA 8000 SAN, Fabric Fencing, iSCSI3, SWIFT SAA, CITRIX,Trafic, VMWARE, IBM Informix SQL, XSCF.** | | | | |

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| **CALYON**  **Appold St, London EC2** | **EE Unix Marketdata Admin** | | **Mar ‘07 – Dec 08** | | |
| **Job Description: System Administration of Unix & Windows Market Data infrastructure servers + New Data Centre DR build project to ITIL standard for 500 European Traders** | | | | | |
| **Core duties: 1st, 2nd, 3rd level support , systems administration 250 users.**  **Upgrade of London Solaris 10 & Red hat RHEL5, Windows 2003** servers for new remote data centre. **Migrate from TIBCO to Reuters RMDS6 infrastructure**  **Projects:** Design, Project manage, Implement, and Capacity Test, low latency **Real-time DR Split production solution for New data centre .**  Install all **New Solaris 10 Red hat RHEL 5 & Windows 2003 Intel servers and TIBCO decommission**  **Migrate 300 users to new** DACS 5.3 **Sybase Database,** RVD 6.98 to 7.3, RMDS 5 to 6. Repackage Kobra Reuters 3000 Xtra PC users.  **Analyse and Reduce Market Data costs** using Sybase SQLand Harco Bloomberg capture.  **Build Custom HTML monitoring scripts**. Evaluate Monitoring Hawk**,** RMS, Geneos.  **Evaluation of Red hat Linux , Virtualisation on Xen** | | | | | |
| **Skills Gained:, Solaris 10 , RHEL 5, Kickstart / Xen, Windows 2008, Reuters API RFA 5/6, Reuters RWDS, Blackberry BES, RVD Multicast Source Mirrored, XUS 3000Xtra 5.1** | | | | | |
| **Credit Suisse, E14** | **System Admin MDT** | | **Oct ‘05 – Mar 07** | | |
| **Job Description: European 3rd Line Support and Project Management of Unix and Wintel Market Data** servers for Tibco, Reuters Triarch, RMDS and IBD Infrastructures | | | | | |
| **Core duties:** Unix and Wintel Housekeeping, Upgrade and migration of existing Solaris Windows 2003 infrastructure**,** Tibco & Triarch, Global tibrouted, Move Inhouse Sources to New Linux Red hat RHEL3/4, Intel HP Blade based, RRCP Multicast infrastructure. Support of 300+ Sun and HP Blade Linux Intel based Market Data servers. Permissioning using EV2 EV4 and Dacs.Migrate Solaris to Redhat Backbones**.** DACS 5.2 Upgrade & QoS., Ipcroutegen client connection, Mlip and iFinance go live, Remedy UAT, DBU Windows 2000 /2003 Upgrade, New Vendor Products | | | | | |
| **Infrasup, Green Lane, SE9 3TL** | | **Team Leader** | | **Jan ‘03 –Sept ‘05** | |
| **Job Description: Advice to Government and Private SME’s in London & South East.** | | | | | |
| On-site Technical Consultancy, Project design, management of Customer Proposals for Internet Security & I.T Infrastructure implementation. Team leader for 5 Junior Engineers. Created affiliate partnerships with: Intel, Microsoft, Apple, Sophos, Maxtor, Lixxus. | | | | | |
| **Skills Gained:,** Win2003 Server & Exchange, MacOS 9 & 10x, Tibco BPM, Cisco PIX & 1700 Series VPN Firewall, Routers & DSL, JMS/J2EE, , 802.11B/G, OPK,Ghost packaging, Dreamweaver, FlashMX, Photoshop**.** Lindows, SuSe, FREE BSD | | | | | |
| **RBS Coutts, Bush Lane, EC4** | | **Middleware Developer** | | **Jan’01- Nov ‘02** | |
| **Job Description: Develop and Support “The Hub” On-line Banking Middleware Unix and Wintel Infrastructure.**Insuring continued 24x7 operation of Online banking and overnight batch processing and RBS MQ Series Integrating project.Sun E220 E3500 Servers, Tibco ETX RVRD, Clarify, Alier, RDB SQL & Oracle adapters. TibHawk, Perl / KSH Scripts, Tibco Business Works,Inconcert, Clustering Veritas & EMC. | | | | | |
| **Goldman Sachs, 120 Fleet St, EC4** | | **Enterprise Technology** | | | **Nov’99 – Dec’ 00** |
| **Job Description: Unix support and projects for European Market Data trading** infrastructures. Complete Backbone upgrade to Sun Netra & E420 Hardware Solaris 8, Solstice Disk suite. Bridge migration, Broker Feed upgrades, Entitlements revamp & New European HQ Backbone Build. | | | | | |
| **MAM, EC4R** | | **Solaris Admin Equities** | | | **Apr’99 - Aug’99** |
| **Job Description: Market Data Services Second Line Support**, Projects, Administration of the Solaris backbone for 300+ users.Triarch Net Agent installation, Windows NT Upgrade, DACS admin, Triarch Topic Feed upgrade, Bloomberg, Datastream, First Call, Autex,Instinet | | | | | |
| **Sumitomo Finance, EC4** | | **MDS Project Manager** | | | **Jul’98- Apr’99** |
| **Job Description: Upgrade & Decommission Non Y2K legacy Unix and Windows systems** Migrate two Banking systems from SunOs to Solaris and Tibco to Triarch / TTRS to Triarch. Move client Microsoft applications Windows 98 to NT upgrade to Kobra and PP32 Entitlements to DACS, Shredder to DDS, Classic to Open Bloomberg, TTDF page migration to Selectserver, Decommission ATM Dual switched Backbone. | | | | | |
| **Deutcher BTAB, EC2** | | **Information Delivery** | | **Apr’98- Jul’98** | |
| **Job Description:** Upgrade SunOS to Solaris 2.6 Sun Ultra. Triarch SSL3 to SSL4 migration. | | | | | |
| **BZW, 5 North Colonnade, E14** | | **Information Delivery** | | **Jan’98- Apr’98** | |
| **Job Description:** Plan and Implement User and Backbone migrations after CSFB buyout of Equities department. Upgrade all new services to Sun Solaris Ultra Server. Monitoring and Support Production systems in house applications, existing SSL3/SSL4 Servers,Bloomberg, DataStream, Bridge, GFI, Cantors, Garban, WCLK, Eurobrokers, RMJ, Tullets,. | | | | | |
| **Reuters PLC, , EC4** | | **Unix Mobile Support** | | **Jul’90- Dec’97** | |
| **Job Description:** Mobile support for all companies market data products and services to London city based Investment banking customers.  Specialist in Unix Products, Triarch, Sun Sparc & HP 712 based infrastructure products: SSL3 & 4, Effix servers, Datafeeds, DACS, RTW, PDD, ATW +Prism and Dealing 2001/2 systems and Reuters media products | | | | | |
| **University College London, WC1** | | **Computer Centre** | | **Sep’85- Jun’90** | |
| **Job Description:** Joint running of Microlab. In house and On-site support of all University Microprocessor hardware and peripherals. As Senior Technician I also had direct relationship with suppliers and trained UCL trainees.**First exposure to Unix**. Five year apprenticeship HNC | | | | | |