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<i>Mobile:</i>	+44 7843 588 599	<i>DoB:</i>	17 th January, 1975
<i>Nationality:</i>	British from birth	<i>Email:</i>	contracts@junix.systems

DevOps Engineer and System Administrator with 22 years of primarily Linux experience, working in a variety of sectors including automotive, higher education, telecoms, and gaming. Highly proficient with cloud technologies including AWS and virtualisation, Terraform and Python.

British from birth and eligible for SC Clearance. Immediately available for new remote working contract opportunities. Administrator.

Technical Skills

<i>OSes:</i>	RedHat, Debian, Ubuntu, & UCS Linux, Solaris, FreeBSD, MacOS
<i>OS Features:</i>	IPv6, ZFS & RAID-Z, LVM, VMWare, KVM
<i>DevOps:</i>	Terraform with AWS (Esp EC2, S3, RDS, Route53, ELB, IAM, CloudWatch, ELB, Lambda functions, SSM, ElastiCache), Terraform, Ansible, Puppet, Hadoop, Version control (Git, SVN, Perforce, CVS), Apache Nifi, Jenkins, & exposure to Docker
<i>Networking:</i>	TCP/IP and IPv6 (RADVD), 802.1q VLANs, IPSEC VPNs, DNS/DHCP (Bind, ISC), TCPDump diagnoses, Vyatta/OPNSense
<i>Network Services:</i>	OpenLDAP, NGinx/Apache2, DNSSEC (Bind 9), CFEngine3, NFSv4, Email (Sendmail, Exim4, DKIM, DMARC, SPF, Dovecot IMAP), MySQL, Apache, Tomcat, SSH, LVS load balancing, Samba, monitoring and reporting tools (Hyperic, Nagios), RabbitMQ, OpenLDAP
<i>Security:</i>	ModSecurity, OWASP CRS, PCI/DSS Compliance, Kerberos, Packet filtering with *BSD ipfw & Linux IPTables, PKI, X.509 Certificates and Let's Encrypt, DANE & SSHFP, SSSD, GnuPG, Duo & Yubikey 2FA See https://www.hardenize.com/report/junix.systems
<i>Documentation:</i>	LaTeX, RT, Jira, DocBook, Wikis
<i>Languages:</i>	Advanced Bash, Python scripting, exposure to ArubaOS, Perl, Puppet, Prolog
<i>Certifications:</i>	RHCE 5 (100%), AWS Solutions Architect Associate

Contracts

Arm Ltd

Senior Linux Administrator

Jun 22 - Feb 23

Cambridge/Remote

Arm design CPUs found in mobile phones and increasingly low power high throughput server class machines (as well as my old BBC Micro)

- Responsible for 4 10,000 node HPC clusters rendering and verifying chip design
- Designed and rebuilt Exim mail cluster
- BAU work: user & group management, sudo access, Ansible/Foreman rebuilds
- Rationalised and supported global LDAP group structure (OpenLDAP)
- Python scripting to manage the above

DWP (Universal Credit)*AWS DevOps Engineer***Jan 2022 - May 2022***London/Remote*

The Department for Work and Pensions provide Universal Credit. Part of a senior DevOps team responsible for UC products and services. The stacks comprised the following technologies:

- Managed large multi-account AWS estate with Terraform
- Services deployed with Gitlab CI/Jenkins onto Nomad (Docker)
- Service discovery and secrets provided with Consul & Vault

JRNI (BookingBug)*AWS DevOps Engineer***Jun 2021 - Oct 2021***Oxford/Remote*

JRNI Provide an experiential relationship management and scheduling service for a number of sectors including banking, retail and governments.

- Migrated staging, development and much of the production platform to AWS Nitro
- Scripted the above with Python Boto3 and Ansible
- BAU including deployments, AWS maintenance, basic Ruby scripting
- Database dumps and debugging support for developers

Nominet UK*Systems Administrator***Sep 2020 - Apr 2021***Oxford/Remote*

Nominet administer all .uk domains and are responsible for many other GTLDs.

- Looked after front facing corporate website and web-based whois
- Rebuilt all environments with Ansible and VMWare
- Responsible for Linux security fixes, patching, SSL ciphers, pen-testing
- Worked closely with Security and Network teams

Black Cat Consulting / Elsevier*DevOps Systems Engineer***Sep 2019 - May 2020***Kidlington, OX5*

Black Cat provide DevOps consultancy for global customers, I worked on-site exclusively for Elsevier. Web applications were fully cloud-based using EC2, S3 & RDS backed, load-balanced with ELB, Route53, Access through IAM, managed with Terraform.

- Large modular Terraform estate
- Created Jenkins pipelines for Packer immutable images
- Migrated existing from unmanaged Puppet instance to AWS & Terraform

Cobalt Telephone Technologies*DevOps Systems Engineer***Aug 2018 - Jul 2019***Basingstoke, RG24***Ocean Mind***DevOps Engineer***Mar 2018 - Jul 2018***Harwell Campus, OX11*

Oracle Cloud Operations*Senior Systems Engineer***Oct 2017 - Mar 2018***Thames Valley Park, RG6*

Cloud Infrastructure Support administer the live SAAS, Exadata, and PAAS production cloud estate from hardware up to application support. Further details are excluded under Oracle's NDA.

- Supported Oracle's Linux and Solaris Cloud Infrastructure
- Services deployed using Ansible
- Liaised with development, provisioning and networking teams

The University of Reading*Linux Security Consultant***Jul 2015 - Jun 2017***Whiteknights, Reading RG6*

Core Systems provide crucial IT infrastructure across campus for students and staff.

- On site Linux Security Consultant, deployed ModSecurity with OWASP CRS anomaly scoring
- Managed main website and campus-wide WordPress sites on VMWare and AWS
- Upgraded core systems to Ubuntu 14.04, using CFEngine and Puppet
- Represented IT at the most senior level in handling security breach

Formula E Operations*Senior Systems Administrator***Jul 2014 - Jun 2015***Shortlands, London W6*

Formula E run the single-seater electric powered motor racing championships "Electric F1". The outdoor nature of the temporary structures in city centres around the world, presented many challenges to IT infrastructure.

- Designed and built 50 server Ubuntu LTS based data centre running Java (Tomcat/Jetty) web-based microservices, backed by MySQL, RabbitMQ, fully automated
- Provided network services for the above; DNS, DHCP, VPN, firewalling, automated software deployment, managed trackside Wi-Fi and public networking

Redbee Media (Access Services)*Senior Systems Administrator***Oct 2013 - Jan 2014***Uxbridge Road, W5***Rank Interactive***Senior Systems Administrator***Jun 2013 - Sep 2013***Artillery Row, SW1P***My Wealth Cloud***Senior Systems Administrator***Jan 2013 - Jun 2013 (Jan 16)***Old Postoffice Road, HP9***Oxford University Computer Services***Senior Systems Administrator***Mar 2012 - Sep 2012***Banury Road, OX2***OpenBet Technologies***Senior Systems Administrator***Apr 2011 - Nov 2011***Chiswick Business Park, W4***Cisco Systems (Communication and Collaboration)***Senior Systems Administrator***Aug 2010 - Apr 2011***New Square, TW14***Permanent****Net-A-Porter***Senior Systems Administrator***Jan 2007 - May 2010***Queensway, W2*

Digital Rum <i>Senior Network Engineer</i>	Oct 2003 - Jan 2007 <i>Paris Garden, SE1</i>
Info.com <i>Systems Administrator</i>	Apr 2002 - Oct 2003 <i>Victoria Place, SW1E</i>
365 Corporation <i>Systems Administrator</i>	Apr 2001 - Oct 2001 <i>Gloucester Place, W1U</i>
Talkcast Corporation <i>Systems Administrator</i>	Jan 2000 - Apr 2001 <i>York Road, SE1</i>
CSFB <i>First Line Support Specialist</i>	Aug 1998 - Nov 1998 <i>Cabot Square, E1</i>

Education

MA (Hons) Philosophy & Linguistics 2:2 <i>The University of Edinburgh</i>	1995 - 1999 <i>South Bridge, EH8</i>
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Four year joint Master's degree in the Scottish capital.

- Advanced Syntax
- Advanced Phonology
- Semantics
- Phonetics
- Metaphysics
- Ethics
- Formal Logic
- Epistemology
- Artificial Intelligence
- Cognitive Science
- Ancient Hebrew
- Ancient History

Dissertation topic title: “*Comparison of Sentential Negation in Contemporary Romance Languages*”.

Secondary School <i>Adams' Grammar School</i>	1986 - 1993 <i>Newport, Shropshire TF10</i>
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A-Levels: Physics, French, Music, Sociology; 8 GCSEs

Other Interests

- I like to keep fit, being a one-time Scottish Universities boxing medallist, 5th Light Infantryman, and more recently swimming, cycling and mountaineering; I previously attempted to summit Aconcagua, the second of the world's seven summits, and will return.
- Nine months travelling in South America has increased the fluency of my Spanish, and I have begun learning Russian and Catalan.
- I'm learning the piano again, having previously reached Grade VIII