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Nationality: British

Profile

My specialty is to drop in to any situation and quickly establish technical competency, regardless of the discipline involved; combined with impressive problem solving skills. I love to automate processes of creating and maintaining even the most complex environments using code. I listen carefully to understand and use the right mix of proper technology and processes around it.

Technical Skills

Skill	Level of Knowledge
Operating Systems Linux (Suse Enterprise 10, RedHat Enterprise 5, 6 and 7, Debian, Ubuntu, Centos 5-6-7) UNIX : Solaris 8,9 &10	Advanced Level
Cloud Tool Stack Cloud: - AWS, AZURE Container: Docker, Kubernetes, Openshift	Advanced Level
Network TCP/IP, DHCP, NTP, DNS, NFS, NAS, Samba, NIS, LDAP, iSCSI	Advanced Level
DevOps Practice Configuration management (Puppet Enterprise, SVN, Git, GO, Jenkins, Ansible, Terraform) System Build (Cobbler, Spacewalk / Satellite Network, Kickstart, Pulp, katello, foreman) Load-balancing (F5 BigIP LTM/GTM, HTTP Proxy) Security (SSL / TLS encryption) Web Services (NGINX, Apache, Varnish, REST, SOAP, JSON)	Advanced Level
Virtualisation XenServer 6, VMware - vSphere 5, Solaris zones & Ldoms, Oracle VM	Advanced Level
Monitoring Tools Logging and Audit: Splunk, Syslog , Elasticsearch, logstash and kibana Metrics & Alerting: Nagios, Opsview, Sensu, Zabbix .	Advanced Level
Database MySQL,PostgreSQL	Experienced Level
Programming Shell Scripting, Python	Experienced Level

Certifications

- Citrix Certified Administrator for Citrix XenServer
- MySQL Oracle Certified Professional
- NetApp Certified Data Administrator
- Puppet Certified Professional (PPT) 2014
- Novell Certified Linux Administrator (CLA)
- Novell Data Centre Technical Specialist
- LINUX Professional Institute (LPI 2)
- ITIL foundation V3
- VMWARE VCP
- Sun Certified System Administration (Solaris 10)
- LINUX Professional Institute (LPI -1)

Chronology of Experience

July 2019 – Current **Elevate Credit** Senior Infrastructure Specialist Automation

Maintaining and maturing cloud environments on Azure
Automation of cloud environment provisioning using Terraform
Migrating puppet code base into Ansible

December 2018 – June 2019

Motability DevOps/Cloud platforms Engineer

Responsible for implementation of Ansible best practices and the use of Ansible Tower
Implementation of Self-Service Operations for my team and developers
Maintaining and maturing cloud environments on AWS
Automation of cloud environment provisioning using Terraform, Jenkins
Design, build, test and delivery of new cloud environments
Provided technical guidance to the System Engineering Team from BAU issues to midterm technical strategies.
Creating, maintaining, supporting and improving complex cloud operation for Motability operations

OpenShift Responsibilities:

- Infrastructure Automation and Provisioning
- Installation and Management of the OpenShift/Kubernetes Platform
- Managing Tenant Provisioning, Isolation, and Capacity Planning
- Building and Maintaining Base Images S2I
- Design, Maintenance of Deployment Pipeline

July 2018 – November 2018

RedHat Ansible SME

- Contributing to a DevOps culture of collaboration, communication and automation
- Responsible for implementation of Ansible best practices and the use of Ansible Tower
- Refactoring Ansible role
- Implemented Ansible Architecture Design (Continuous Integration/Continue Deployment/Release)

January 2018 – July 2018

Motability Cloud platforms Engineer

Playing a key role in the support and improvement of a robust, automated and scalable continuous delivery platform for the development and delivery of cloud services on AWS

- Contributing to a DevOps culture of collaboration, communication and automation
- Delivering Infrastructure as Code using Terraform for AWS component deployments
- Automation of configuration management and application deployment using Ansible, Jenkins
- Deployment of container technologies using Docker, Redhat Openshift
- Redhat tool suits :- Redhat IDM, Ansible Tower , SSO, OpenShift

November 2017 – January 2018

Amido Cloud DevOps Engineer

Much of my work involves building greenfield systems around existing SAAS solutions selected from the Cloud marketplace and clearing the backlog of client-side requests spanning Hyperscale Transaction and Identity projects,

- Microsoft AZURE support, maintain, deployment using terraform.
- Working closely with Software Engineers to architect, build, deploy, maintain, MOJ Identity projects on Forgerock IDM Stack
- Applications and infrastructure code deployment using Ansible Jenkins Terraform
- Creating automated build and deployment pipelines in Azure and open source environments with an intimate understanding of cloud hosting and best practice.
- Built pipelines from scratch and monitored them from code commit right through to production, using continuous integration tools i.e. Jenkins with terraform and ansible.

December 2016 – November 2017 **Department for Work and Pensions(Universal Credit)**
DevOps Engineer (SC Cleared)

As a member of the DevOps operations team responsible for The Department for Work and Pensions (DWP) digital service cloud migration to AWS cloud. The digital service will eventually support the full roll-out of the new benefit scheme nationwide.

- Architected and implemented Splunk architecture for DWP Universal Credit.
- In charge of centralised logging architecture {collection, transport, storage and analysis of logs}.
- AWS - Amazon Web services - support, maintain, deployment using terraform.
- Working on Automation, Puppet migration to Ansible and extreme Security matters.
- I Worked closely with Software Engineers to architect, build, deploy, maintain, and monitor DWP Universal credit distributed systems cloud infrastructure on AWS.
- Developed and maintained technologies for deployments, continuous integration, source code management Git , dashboards, logging, and performance metrics using Zabbix graphite.
- Defining and monitoring metrics and business intelligence data on the infrastructure using Splunk.
- Supported the verification of new functionality and bug fixed across all systems.
- Applications and infrastructure code deployment using Ansible Jenkins Terraform
- Secrets management using Hashicorp Vault

May 2016 – December 2016 **Bank of Tokyo-Mitsubishi (Fixnetix)**
Automation Specialist (Infrastructure As a Code Engineer)

Bank of Tokyo Mitsubishi UFJ (BTMU) is delivering a new, low latency, global, electronic foreign exchange trading platform spanning 3, co-located data centres in London, Tokyo and New York. The 'greenfield' eFX Platform will enable BTMU to meet the low latency eFX trading demands of its clients and expand this side of its current business by providing next generation eFX technologies globally.

- Building, implementing and providing feedback on the Low Level Design of the electronic foreign exchange platform.
- Enhanced the automated build life cycle for electronic foreign exchange platform.
- Helping with other aspects of the rollout, including, applications and infrastructure code.
- Providing assistance to 3rd party vendors who are also involved in the project.
- Producing high quality documentation to facilitate customer teams becoming self-sufficient.
- Architected and implemented Splunk architecture for BTMU.
- Implemented codes deploy using Jenkins, gitlab, puppet, docker and pulp.
- Provision of Linux server on bare metal Cisco UCS Servers using (Cobber, PXE , Katello, Puppet)

September 2015 – May 2016 **Government Digital Services** SC Cleared
DevOps Engineer

The Government Digital Service is the unit of the Cabinet Office tasked with leading the digital transformation of the UK government.

I am currently working on the Gov.uk Verify project, which is the new way of certifying citizens' identities in order to authenticate them into public services.

I work across operations and development teams to design and operate the infrastructure. In addition, I support the development of software and practices to ensure the availability and scalability of a fully automated identity verification service, built for all citizens. I am also responsible for:

- Installation, configuration and management of Sensu, ELK monitoring tools.
- Deploying and configuring virtual machines in a hosted environment.
- Supporting continuous integration process and supporting web application development team.
- Ensured Linux based infrastructure is robust, resilient and compliant to PCI standards.
- Building infrastructure as a code on AWS using Terraform.
- Supporting GitHub repos

July 2015 – September 2015

Monitise
Puppet and Ansible Engineer

I designed, built and implemented a Puppet Enterprise solution for a new platform being built for Royal Bank of Scotland, one of Monetise Group Ltd customers. I also facilitated deployment, continuous delivery and maintenance on a site servicing mobile traffic.

May 2015 – July 2015

Metro Bank
Senior UNIX Implementation / DevOps

- Proposed, implemented, and evaluated solutions in order to improve and automate Metro Bank's delivery processes, especially to reduce delivery cycle time.
- Improved and enhanced existing AWS: EC2, S3, Security policies, VPC, RDS.
- Re-architected the build and deployment process for AWS instance using Ansible.
- Liaised with project and client managers to evaluate and determine requirements.
- Implemented system infrastructure components: GitLab, Spacewalk, Ansible, Puppet and Free-IPA.
- Focused on automation, integration and configuration management.
- Implemented load balancing using HAProxy and keepalived.
- Ensured Linux based infrastructure is robust, resilient and compliant to PCI standards.
- Automated repetitive tasks using shell scripting and python.

May 2013 – April 2015

Perform Media Group
Senior UNIX/Linux Project Engineer (Data Centre Migration Projects / DevOps)

- Managed large-scale data centre migration projects, which involved Data Centre move and Platform change.
- Leading DC migration of UNIX / LINUX infrastructure 800+ servers, planning, migration and cutover.
- Implemented project initiatives based on Citrix XenServer Virtualization technologies.
- Architecting the build, deployment, installation, configuration and maintenance of Citrix XenServer on CISCO UCS Platform and Fujitsu Servers.
- Identified and proposed new technologies to Technical Services Manager for consideration.
- Acted as a technical resource in support of project installations, utilising variety of technologies.
- Migrated Puppet module to Ansible Playbooks.
- Led the migration from Solaris OS (9, 10) to Linux (Centos 6, 7) and SUSE 11.
- Implementation and deployment of Amanda backup solution for the entire estate.
- Designed and implemented storage capacity management, data migration techniques and LUN provisioning.
- Managed and administered Netapp storage, EMC Isilon, Oracle SAN Storage (SUN Storage 2540 Arrays SCAM).
- Owned the automation and deployment of all media services components to AWS cloud based environments using Ansible and Puppet.
- AWS - Amazon Web services - support, maintain, deployment and Auto scaling.
- Designed and developed shell script to support deployment activities within the team.
- Created RPM and Solaris packages.
- Supported continuous delivery of Media Services components.
- Setup and created MySQL database backup scripts using bash.
- MySQL Multi-master Replication setup.
- Deployment of different Linux flavours: Redhat 6, Centos 6,7 and Debian/Ubuntu.
- Designing physical hardware builds, provisioning systems in virtualised environments, using Ansible and Puppet to provision zones, branded zone and LDOMS.
- Built and deployed infrastructure tools: Spacewalk sever, Ansible, Cobbler and Git.
- Developing documentation for trainings as well as conducting training sessions to fill the knowledge gaps.

Nov 2012 – May 2013

KIT-Digital
Senior Web Linux Project Engineer/DevOps

- Delivered high quality technical solutions in-line with business requirements.
- Worked in partnership with a manage service, transitioning projects into managed service support.

- Automated provisioning of applications and server configurations for head end builds, Apache, Tomcat and MySQL servers.
- Configuration management using Puppet to simplify release deployments.
- Documenting deployment processes.
- Version control using SVN and GIT.
- Architected the build and deployment of Puppet Enterprise.
- Focused on projects that engaged with multiple teams in operations.
- Web administration - this included day-to-day administration and maintaining the uptime of all our websites, which was run on: Apache Web server, NGINX, MySQL, JVM Application Server configuration and tuning.
- Close collaboration with Development, Test, third party vendors and Managed Service teams.

July 2011 – OCT 2012

Rank Interactive
UNIX Web Operation

- Putting in place permanent fixes for any operational or technical problems encountered.
- Liaised with third parties and testing teams worldwide, in a project management capacity, with a view to coordinate and ensure project delivery within technical guidelines.
- Application / script design and development - I devised and automated most processes within the Unix team using Puppet, ranging from day to day web system build to continuous deployment using GO.
- Ensured the compliance of implemented solutions to the appropriate platform Design and Implementation Processes for Payment Card Industry Data Security Standard (PCI DSS).
- Deployment of Puppet Enterprise.
- Responsible for the deployment, maintenance, operation and technical support for all online applications across all development, test, pre-production and production environments.
- Utilised VMware infrastructure, as well as physical Servers, to achieve the objectives of low latency and high performance on hosted applications.
- Security hardening for the baseline builds for Payment Card Industry Data Security Standard (PCI DSS) secure environment.

April 2010 – June 2011

Transport for London
UNIX Platform (Enterprise Platform) Contract

- Evaluated hardware configuration by analysing workload throughput, transaction response times and device utilisations.
- Tuning for optimal performance and defining configuration updates to meet any immediate problem and planning for potential expansion.
- Provided recommendations, advice, and technical reports for all projects and IM reports for the UNIX / Linux platforms to assist with management decision making and defending factually supported recommendations with stakeholders at all levels when required.
- Administered the end to end implementation of UNIX AIX / Linux infrastructure projects and work packages including the design, build, testing, development and acceptance testing,
- Deployment of Redhat satellite server and proxy server for Transport For London.
- Managed changes and upgrades of all Linux systems using Redhat Satellite in a controlled and thorough way for high availability systems.
- Implemented and managed Red Hat Enterprise Linux deployments efficiently and effectively, using Redhat Satellite for deployment and provisioning.
- Defined and delivered baseline builds for Solaris 10 OS and Redhat LINUX 5.

July 2009 – April 2010

Financial Services Authority (FSA)
Customer Technical Architect (Utility Computing) (FUJITSU)

- Implemented projects and initiatives based on Solaris Virtualization technologies.
- Designed and standardized Solaris Virtualization environments and applications.
- Installed, configured and maintained multiple enterprise environments.
- Driving virtualisation architecture strategy and design
- Developed transition roadmaps and implementation approaches.
- Defined and delivered baseline build for Solaris 8, 9 and 10 OS which was implemented and security hardening for the baseline builds.
- Identified new releases, patches and updates for all implemented versions of Solaris OS.
- Developed high level designs supporting robust technology solutions, taking into account the customer requirements and technical requirements.

- Designed physical hardware builds and provisioning systems in virtualised environments using Bladelogic to provision zones, branded zone and LDOMS.
- VERITAS NetBackup troubleshooting - auditing, tuning the backup policies and recommending improvements to existing & designing new backup environments.

July 2007 - July 2009 **Ford Motors (Financials)**
Unix Infrastructure Engineer- (FUJITSU)

April 2007 - June 2007 **Job Go Public**
Unix Administrator

Feb 2007 - April 2007 **Taylor Nelson Sofres Plc.**
Unix Administrator

Dec 2006 - Feb 2007 **Goldsmiths University**
Unix Administrator

Education /Courses

- Puppet Enterprise
- Symantec High Availability Fundamentals with VERITAS Storage Foundation 5.1 and VERITAS Cluster Server 5.1 for Solaris
- VERITAS NetBackup 6.5 for UNIX
- AIX System Administrator Part 1 & 2
- VMware ESX 3, VMware Infrastructure 3: install and configure training
- MySQL 5 Administration (3 day)
- Computer Science Network Communication

Interests

Exercising at the gym, reading and spending time with the family.

References

Available on request