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| Introduction |  | I am a determined and hardworking systems engineer/solutions architect. I am outgoing, professional and capable of high caliber work. I have experience working in a specialist capacity ( as an SME) and as such I have good leadership and project management skills. I am also highly technical and have a sound analytical mind capable of troubleshooting in many highly complex areas. I always keep myself abreast of new developments and technologies in the field, and genuinely have a passion for the work I do, which permeates into my personal life. I am a proficient DevOps engineer who has been involved in numerous projects, where the aim has been to automate highly critical tasks in production environments, with great success. |
| Skills & Abilities |  | **I am a specialist in the following technologies/skill sets:**   * Administration of Perforce Version control (Helix versioning engine)(Edge/Commit, P4 read-only replicas, proxies etc) * System administration & architecture of Linux based OS( RHEL,CentOS, and Debian based) * Bash scripting * Advanced application support   **I am highly proficient in the following technologies/skill sets:**   * VMware ESXi systems( managed through vSphere) * Elasticsearch, Kibana, Splunk ( other big data metrics systems) * Percona MySQL( proxy, Clusters e.tc) , PostgreSQL system design, tuning, maintenance and development. * Windows based server administration * AWS ( creating production environments, over multiple VPC’s with site-to-site connectivity) * Nagios, CheckMK and Thousand eyes * AWS & in house private cloud systems( Open stack) * Docker, Kubernetes and SWARM( although swarm is now superseded) * Foreman, puppet and associated DevOps automation. * IaaS and PaaS architecture and implementation. * CaaS (Kubernetes platform, Lambda) * Cisco based switching & routing, Brocade switches and associated networking. * Aspera file transfer mechanisms. * Puppet & Foreman * Dell compellent SC series technologies * Wire analysis (TCPdump & Wireshark) * IPS/IDS systems; SNORT * Elasticsearch, Kibana, LogStash(ELK) * Creating networking environments with predetermined levels of jitter, latency, packet fragmentation e.tc for test environments using, TC and qdisk manipulation. * SDN networking ( Calico and Flannel) * Expert in file transfer technologies and customization of TCP/UDP & OS for efficient file transfers. ( BBCP, UDR-RSYNC, FDT, and faspex). * Scripting for automation ( Python, PowerShell, Bash, mark-ups YAML JSON) * Proficient application and network engineer. * Confluence and JIRA   Experience working with:   * CloudFormation( for baremetal deployments) * Lambda * AWS VPC peering, VPN and associated ECMP networking * Kemp Load balancers * F5 Load Balancers |
| Experience |  | **Systems Engineer, build a rocket boy games**  IT Infrastructure architecture, 3rd level engineer, and IT technical authority on projects.  04/2019 -Current  In my current role at Build a Rocket Boy Games, I am involved in the design and implantation of network, storage, security, outsource, infrastructure, scalability, security and technology procurement within EDI, and globally (in varying degrees). I work with our stakeholders to align IT service delivery with the business expectations. . I present new ideas and promote best practice in the work I do. I provide technical expertise to Engineers and project managers on various company projects. We are a relatively small company going through a growth transformation. I have been heavily involved in setting up internal IT process and moving towards a truly `Enterprise ready` model. We also have technically demanding Outsource requirements, where I have designed IT the service delivery solution, including the infrastructure and networking, creating performant, redundant production environments utilizing IaaS where applicable. Overcoming significant logistical/technical issues along the way and providing our company with a robust, secure, centrally managed and scalable production environment.  **Main duties:**   * Management of our Network environment * 3rd Line Support for critical services * Documentation and creation of process for facilitating due diligence within IT * Implementation of scalable, redundant services. * Procurement of IT infrastructure & associated service prerequisites * Design & implementation of Outsource IT environments and integration projects * Supporting our outsourcers * Providing training and up-skilling to my team mates.   **Key Technologies:**   * AWS(IaaS) * ESXi( vCenter, vSphere, vMotion..) * Confluence * JIRA * Perforce * Dell SonicWall * Dell Z9100 core and 4148 Edge switc   **Key Achievements:**   * Setup a VLT-domain based 10Gb switching network * Migrated servers to our server room(we’re a startup) * Emergency maintenance to fix underlying issues (such as MBR partitions, and size limitations on production systems) * Designed and implemented an AWS cloud environment (4 VPC’s), 4 regions, interconnected with VPC peering, and site-to-site VPN. Services such as, Perforce, JIRA, Confluence, and IT services such as, Check\_MK, OpenVPN, Puppet and Active Directory for management. * Implemented a service and hardware monitoring system, for health checking both our on-premise equipment/ services, and our AWS environment, reporting to a centralized Check\_MK server..   **Cloud engineer, K3 Starcom**  11/03/2019 – 16/04/2019 (left to join re-join BARB)  Manage Kubernetes environment. Hired to take over for 3rd party SME supporting K3 Starcom’s new K3 Imagine platform ( CaaS and PaaS). Scale existing Kube Cluster, implement monitoring and Kemp ingress load balancers.   * Documenting and visualizing the Calico and Flannel plugins for Kube( SDN) * Initial health reports and best practice guidelines. * Set up Prometheus, Zabbix and Check\_MK test environments for research. * Mainly time was spent documenting and reading documentation. Left too early to make any real contributions.   **Systems Engineer, Rockstar north**  SME for Perforce version control and Linux.  09/10/2017- 10/10/2018  In my role at Rockstar, I work as an SME in Perforce version control and Linux based OS. My functional role means that I deal with 3rd line issues that arise within the company and that are passed from our worldwide Systems Engineering team. I am also involved in project planning and changes in architecture as part of the roadmap (which I am also responsible for producing). As an overlap, I also provide 3rd line support to all our systems and infrastructure (along with providing support to the desktop team) as required, along with on-call work where I am covering the Systems Team globally. As a specialist, my workload and expectation of quality are accurately reflected in the many areas I have to be proficient in, including but not limited to, UDP/TCP fabric based networking, scripting, triggering & tooling, automation, storage systems( SAN, NAS, QNAP etc), big data analytics(Kibana) and many others.  **Key Technologies I work with:**   * Specialist in Perforce and other software version control systems including SVN & GIT. * Specialist in Linux System Administration * Bash scripting * Openstack * AWS * Kubernetes * Docker * Chef & Puppet * Foreman * Splunk and Elasticsearch * Kibana * CheckMK( NAGIOS based) * ESXi Vsphere * Brocade switching technologies * Percona Mysql   **Key duties:**   * Providing specialist, 3rd line support for Linux and Perforce issues * 3rd Line support for a wide array of technologies in use * Weekly project meetings with Directors on my respective workloads. * Continuous improvement for production systems. * Monthly improvement meetings with vendors for bugfixes and new features * System architecture and hardware spec investigation and procurement. * Maintaining bespoke systems. * Liaising cross-teams to coordinate projects.   **Project engineer/ integration solitions specialist, GE ENERGY (formerly Psymetrix)**  26/04/2015-02/10/2017  Based at GE`s Global Centre for Excellence in syncopator technologies. I was responsible for the testing and support of software and systems used to manage and report on power grid transfer systems. Our software is used in almost every first world nation on earth. Our software is used in China and Russia. My time at GE was split 50/50% between 3rd line application/network support and being the lead engineer in technical projects. As part of the 3rd line support, I would receive escalated issues from our fronting unit across the world. These issues can be highly complex by nature, due the mixture of being Wide Area, involving advanced software algorithms and having many factors to consider.  **Key technologies I worked with:**  -Expertise in IDS/IPS systems, IP technologies (TCP & UDP), multicast networks (IGMPv3) and protocols such as IEC C37.118, SCADA and DNP3.  -Knowledge of High-Performance storage (including SAN, NAS, QNAP & RAID)  - Linux based OS(all flavors)  -File System knowledge(XFS, BTRFS, EXT \* etc.)  - Using PowerShell  - Use of python  - Puppet and Chef  - HP & Cisco network technologies  **Key duties:**   * Country wide WAMS IT design, understanding the IT & Network infrastructure required for implementing WAMS at optimal levels. * Participating in complex issue resolution (3rd line) analyzing and diagnosing software, hardware and performance issues, along with devising solutions. * IT hardware procurement. * Acting in a `Solution Engineering ` role for pre-sale and tender responses * Coordinating cross division teams for project execution (working with local teams, power system engineers, developers and external consultants. * Acting as the Global WAMS demo coordinator, across our various demo sites. Bringing them into alignment and homogenizing them holistically.   **Key achievements**   * Involved in successfully designing and deploying WAMS systems infrastructure for China, Russia, Columbia, India and others. All done remotely and , liaising with teams on the ground. * Liaised with fronting units all over the world to provide excellent WAMS and application support.   **IT Systems engineer and interim it manager THE ROYAL zoological society of scotland(based at edinburgh zoo))**  03/2014 - 12/2014  **Main duties/key roles**:   * Management of General IT and network infrastructure across all RZSS sites. * Dealt with 3rd line issues reported and escalated by the helpdesk * Represented RZSS in weekly Operations meetings with Directors and board members. * Maintaining Cisco and HP network infrastructure * Management of Active Directory( and dependents LDAP, DHCP, DNS e.tc) * Future improvement project, planning and procuring. * ESXI based software(vSphere, vMotion e.tc) * Storage technologies, SAN, NAS QNAP e.tc   **Key Achievements:**   * Introduced a model of ticketing for support(Zendesk) * Trained staff member to Technical Assistant in a small amount of time. * Handled management well, while transitioning to a new manager prior to me leaving for my next position. * Provided ongoing support into development of new Microsoft CRM Dynamics projects.   **IT FIELD ENGINEER, A1 JOBS ( Agency contract work) & Self Employed contract work through an umbrella company April 2010- February 2014**   * Working on ESXi servers, installing thin clients * Linux and Windows based OS support * Cabling infrastructure and hardware upgrades * OS rollouts * Network design * Layer 2 &Cisco Catalyst L3 Switches and router configuration. * Managing up to 5 other contractors   Project managed IT infrastructure moves for Campbell Dallas, Edinburgh University, Napier University, Dundee College and various others, as a subcontractor to Harrow Green, who act as an office relocation firm, handling the logistics of office moves. On projects I liaised with the internal IT teams to develop a plan for migrating services to the new location, determining things like, network requirements ( patching, switch config etc). |
| Education |  | **Cisco CCNA ( Switching & Routing) 2011**  **hnc computing studies jewel and esk valley college 2001-2002**  **Lasswade high school 1996-2001** |
| References |  | **Available upon reuqest** |