

James Ferrier

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Profile

I am a highly motivated and hardworking individual. I have a very keen interest in computer networks and automation. I thoroughly enjoy working and learning as part of a team to ensure a very high standard of work. I have excellent communication and inter personnel skills.

Skills and technology experience

Two years of related Network, Security and Support experience for Small/Mid-Size and Enterprise Environments.

Strong knowledge of network features and protocols such as EIGRP, OSPF, MPLS, BGP, VRF, PAGP, HSRP, IPSec, SNMP, FlexVPN, DMVPN and VLANs.

Experience using ASA and checkpoint appliances.

Experience scripting in Python, Perl and Bash. Have experience designing, developing and implementing applications for business use. I have a good understanding of Linux systems and text processing tools such as awk.

Working knowledge of JSON, Flask, HTML, MySQL, MongoDB, Netmiko, Jinja2 and YAML.

Employment

CACI – Network Engineer/Developer – April/2016

Currently I am working in a medium sized NOC team responsible for the running of a reasonable large global WAN. As a key member of the team I am responsible for around 150 remote sites with varying numbers of users at each. We provide and support everything from layer 2 connectivity for user devices all the way to VPN tunnels back to head office. This includes WAN optimizers, IP SLA's, route trackers, QoS policies. I also support the landing zone network and have frequent experience with OSPF and route redistribution. A lot of my time is spent developing tools for network automation. Most recently I developed a web application that changed BGP metrics so that routing changes could be performed through a GUI front end.

I have also deployed a full device configuration backup management system into production for ensuring reliable and consistent backups of devices on the network.

I am frequently asked to design, develop and implement GUI driven applications to assist other areas of the business with carrying out routine work. I am familiar with the GTK+ and Tk frameworks and have successfully implemented complex multi-threaded applications.

Many of the scripts written for this role have been in **Perl**, **Python** and **Bash**.

Deutsche Bank – NMS – November/2015 – April/2016

Working as part of the global NMS team I was responsible for support and optimization of various systems essential to operations. For event management EMC SMARTS was implemented and I was partly responsible for ensuring that a network with 45000+ nodes was monitored and managed correctly. This often-involved advanced network troubleshooting relating to SNMP and Syslog issues. Access management was another of my responsibilities, troubleshooting **TACACS+** and **RADIUS** issues. I was also responsible for certifying new hardware/software releases for use from a monitoring and access point of view.

All the systems used at the bank are Linux based so it was imperative that I was familiar with a range of Linux/Unix tools for text processing and manipulation. I was often under pressure to deliver reports and statistics based on device configs and other large text files, most of the time I used a mixture of bash and **Python** to write scripts to generate these.

CAE Technology 2014

During my final year of University I was employed by CAE Technology as a Wireless Support Analyst. I was responsible for maintaining and supporting the wireless network that the students at my University use while in the halls of residence. We used Cisco Meraki to monitor over 400 Cisco access points with around 6500 clients. The access points are connected in a large campus wide wireless mesh with several powerful external ones. Support ranges from configuring end user client devices to physical access point faults. Diagnostics often involves looking through logs of both client device and access point.

1 Year Professional Placement at Debenhams Head Office 2012-2013

During my time at Debenhams I could put what I had learned in my first 2 years at University to practice. I could further explore concepts that had been shown and explained to me in theory, but in a real working model. I was given a lot of freedom and the opportunity to see the business' IT infrastructure from lots of angles. Over the course of my 1 year placement I re-designed some of the older systems they had been using as well as develop a few of my own. Other areas of the business noticed some of my systems were more efficient than the older ones and I was asked to go to the other offices in London and help streamline systems there. My official title at Debenhams was Technical Support Analyst I required a working knowledge of the store network infrastructure and network. I was also chosen to project manage a PC replacement scheme for the entire Taunton head office. It was my responsibility to gather usage statistics for all users in the office and highlight what users would benefit from a more

powerful computer. Working in retail was very fast paced and sometimes high pressure that required excellent problem solving/analytical skills to ensure that if an issue did occur minimal damage was done.

Education

I currently hold Cisco CCNA R&S

I have passed CCNP ROUTE and plan to hold the full certificate later in the year.

University of Plymouth 2010-2015

BSc(hons)Computer Systems and Networks 2:1

Truro College 2008-2010

National Diploma in Applied Sciences

Falmouth School 2003-2008

GCSEs

Math's – B, Science Chemistry – B, Science Biology – B, Science Physics - B, Geography – C, History – B, English Language – B, English Literature – B, ICT - Microsoft Academy Certificate

Hobbies and Interests

Outside of work I like to stay active riding my bike and see friends to relax. I like the idea of self-improvement and enjoy learning so I spend a lot of my time practising and developing my skills with various home projects.

I am often striving towards the next industry cert.

References available upon request