Richard Day

SUMMARY

An enthusiastic, CCNP certified Network Engineer with a history of working in both project and operations teams. Able to multi-task & context switch effectively, demonstrating strong organisational skills and the ability to work to deadlines in high impact environments. Able to work effectively both independently and as part of a team. Highly motivated to learn and keep up to date with the latest relevant technologies and continuously develop my technical skills. As part of that in my spare time I've worked on some small personal projects to help develop and improve my coding/automation skills:

- Python script that retrieves switch configuration and uploads it to an AWS S3 bucket.
- A CI/CD driven personal website (Git, Github, AWS CodePipeline, AWS S3)
- Created Arista EOS Unicon plugin for Cisco pyATS automation/test framework.
  (https://github.com/CiscoTestAutomation/unicon.plugins/pull/23)

EXPERIENCE

G-Research, London —— *Network & Security Operations Analyst*   OCTOBER 2019 – PRESENT

Supporting the operation of G-Research's global network that incorporates co-locations, offices and data centres sites and maintaining the security of the infrastructure whilst adopting a strong automation and infrastructure as code philosophy. While also working on a variety of high-profile company projects that have a direct impact on the performance of the company.

Achievements:

- Lead the network deployment of a brand new co-location in AsiaPac region, built using our in-house network automation and deployed remotely using zero-touch provisioning. Worked directly with brokers and the stock exchange to establish connectivity to their networks for order entry and market data feeds.
- Ordered, planned and implemented multiple resilient WAN and Internet circuits, liaising with the separate carriers/providers to ensure diverse geographical paths using KMZ files to our various co-locations, offices & data centres.
- Migrated the legacy wireless network in our three London offices to Cisco Meraki hardware with new upgraded, resilient, Internet links. Working closely with some of our other teams I was able to coordinate the physical installation of the hardware and subsequently plan and execute the cutovers from the legacy environment to the new network floor-by-floor during planned maintenance windows.
- Working with our SRE team I helped deploy a containerised version of LibreNMS monitoring tool in a Kubernetes cluster/namespace using Infrastructure as Code.

Responsibilities:

- Implementing technical designs and solutions that have been developed by the Network Engineering team.
- Delivery of tasks such as hardware refresh work, estate wide software upgrades and expansion/upgrade projects.
- Order and turn up new cross-connects to establish connectivity to 3rd party brokers, exchanges & carriers.
- Supporting a mixture of HER and EVPN VXLAN fabrics across our multi-vendor data centre sites.
- Utilising network automation and tooling such as Ansible, Jinja2, YAML, Python, AWX, Git, GitHub, Docker, Kubernetes to generate, store, and push out configuration to network devices and update DNS/IPAM/ACS accordingly, as well as generating reports on the network state.
- Day-to-day support and monitoring of the network and security infrastructure using various monitoring tools such as LibreNMS, Kibana, Solarwinds & Alerta.
- Working with colleagues, customers, internal teams, remote hands and 3rd party vendors to lead, troubleshoot and resolve incidents.
- Completing 'business-as-usual' (BAU) tickets across various technologies & vendors - Cisco, Arista, CheckPoint, Fortinet, Bluecoat & F5.

GlaxoSmithKline, London — *Network Implementation Engineer*   DECEMBER 2015 – OCTOBER 2019

As part of the Network Delivery team my primary task was to deploy new, and upgrade existing, network infrastructure at both greenfield and brownfield GSK sites across Europe. I was also responsible for 'business as usual' requests such as configuring new VLANs, IP subnet allocations & hardware decommissioning.

Achievements:

- Successfully deployed new network infrastructure at four manufacturing sites across Europe (Germany, Italy, Switzerland), integrating them into the GSK enterprise network as part of a wider mergers & acquisition programme. Acting as the network lead and reporting to an infrastructure project manager, I was responsible for planning, bill of materials/quoting & implementation both on-site (regularly travelling), and remotely (utilising smart-hands).

- Performed a network redesign & hardware upgrade at the GSK global headquarters (3000+ users) as part of a project team including other network architects and engineers. This involved deploying a brand new core/aggregation/access layer network alongside the existing corporate network to ensure smooth transition, minimising risk and impact to end-users.

Responsibilities:

- Provide network consultancy to the business during project planning.
- Gather and analyse requirements from the business on new network projects & implementations.
- Continually liaise with the project team throughout – planning, costing (bill of materials/quoting) and implementation progress.
- Design and deploy new LAN and WiFi infrastructure, including upgrades and tech refreshes, adhering to company standards and best practices.
- Change management & implementation.
- Create and maintain network documentation.
- Provide operational support with incidents as an escalation contact.
- Utilising tools such as Cisco Prime, Spectrum, Infoblox, Kiwi Syslog to assist with network monitoring and troubleshooting.

GlaxoSmithKline, London — *Network Operations Analyst*   MAY 2013 - DECEMBER 2015

As a member of the UK team of the Global Network Operations department I was responsible for supporting the enterprise network of approximately 500 sizes of various sizes, across around 100 countries. My main day-to-day tasks are primarily incident management for network related issues and actively monitoring the network for alerts.

IPC Systems, London — Service & Installation Engineer   JULY 2012 – MAY 2013

I primarily worked as an installation engineer on various installation projects. This involved implementing IPC trading systems into a variety of financial institutions (hedge funds, bank trading floors) across London.

EDUCATION

Plymouth University — *Computer Systems & Networks*

SEPTEMBER 2008 - MAY 2012

First Class with Honours Bachelor's Degree with an industrial placement year undertaken at GlaxoSmithKline.

CERTIFICATIONS

Cisco Certified Network Associate (CCNA) - July 2019

Cisco Certified Network Professional (CCNP) Routing & Switching – January 2020

AWS Certified Solutions Architect Associate – August 2020