**Kieran Nelis | Engineer**

**Location: Excelicare**

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Professional profile

I am a highly motivated and dynamic individual with a strong passion for IT. I have experience working in many aspects of the industry including continuous integration/DevOps, Infrastructure, networking, cloud management and IT/desktop support. I am also half way to gaining a degree in university as a part time student.

Throughout my time in the IT industry, I have developed a knowledge in many areas which have helped me strive as I continue to try and improve my working performance. I have gained a great deal of knowledge in many automation tools including CHEF and Jenkins as I work as part of a continuous integration/DevOps team. Being part of an infrastructure team has helped me develop my knowledge in many aspects of IT including cloud operations and management, networking, servers and storage, firewall and security systems as-well-as desktop and server maintenance, including hardware and software support.

Career summary

**May 2012 - Present Excelicare/AxSys Technology Ltd, Paisley**

**Engineer**

*Outline*

I first started at Excelicare in 2012 as a technical apprentice. When I successfully completed my technical apprenticeship, I earned a permanent contract with the company and took on the role as “Junior Internal Support Specialist”. As I progressed throughout my time at the company, I took on the role of “Internal Support Specialist” followed by my current role – Engineer. I would now view myself as a key part several teams including Cloud Operations, Continuous Integration/DevOps, and Infrastructure.

*Key responsibilities*

* Providing a high level of IT support. This included maintenance work on desktops, laptops, and servers.
* Carrying out any hardware, software, networking or security troubleshooting on all devices hosted within the company.
* Rolling out windows 10 company wide
* Rolling out and administering the company’s anti-virus (Kaspersky)
* Administer and maintain the company’s internal SharePoint site (SharePoint 2013)
* Being responsible for the administering and maintaining the company backups (Microsoft Data Protection Manager 2012)
* Working as part of the continuous integration/DevOps team. This included successfully automating the install and deployment of the company’s own software
* Writing PowerShell scripts to automate tasks to make the working day easier!
* Working on a major client system to help implement multiple interfaces including Summary Care Record (SCR) Patient Demographics (PDS) and Single-Sign-On (SSO)
* Being the internal ISMS auditor at ISO 27001 level.
* Working within the infrastructure team to migrate to a cloud-based domain from on-premise – This included moving active directory, DPM, the clustered sever environment and internal SharePoint site.

*Key achievements/projects*

* Complete a fully automated deployment and installation of AxSys Technology’s house software. This process included building an AWS Opsworks instance via Python code within a Jenkins job, using CHEF cookbooks to run a single PowerShell script that will restore SQL Databases, create SQL Users and map them to the appropriate databases, install and configure IIS, and finally, install the application. This build was completed on a single virtual server. The tools and services used within this process are:
* Jenkins - CHEF
* AWS EC2 - AWS Opsworks
* PowerShell - Python
* AWS CodeCommit - AWS S3
* Ruby
* After completing the automation process, I went ahead and completed the same process, although this time I replicated a client’s environment – having an individual Web server and individual DB server. This was a more complex task requiring more Jenkins jobs, CHEF cookbooks, and CodeCommit repositories. I had to create a JSON file containing the DB server IP address, and get it to the local ‘C Drive’ of the newly created web server. This JSON was then used as a reference in the deployment PowerShell script to help with the configuration of the system in allowing both the database and web server to communicate.
* Completing the migration from an on-premise domain to a domain hosted in a cloud environment. This included moving all users and their individual mail box from an on-premise Exchange server to O365, moving users from on-premise active directory to a new domain forest host on a virtual server in Azure, moving the cluster environment containing company file shares and virtual servers from one domain to another, and moving DPM from an on-premise server to the cloud.

Education & qualifications

* **IT apprenticeship, SVQ 3 –** 2013
* **Higher History, B – St Columba’s High School** – 2012
* **Higher Physical Education, B – St Columba’s High School** – 2012
* **Higher Information Systems, C – St Columba’s High School –** 2012
* **Higher English, C- St Columba’s High School – 2012**

*Modules Completed at UWS*

* Web Foundations
* Business Technology Environment
* Computing Systems
* Intoduction to programming (Python)
* CCN1 Introduction to networking (Module on Cisco Networking)
* Object Orientated Analysis
* Computing Project (Cloud hosted environment)

References available on request