

Adam K. Dean

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PROFILE

Author of the “Linux Administration Cookbook” - Packt Publishing.

Keen and experienced systems management, through DevOps tooling in the modern world and previously using a monitor and keyboard in a stifling data centre.

- * Red Hat Certified Engineer (RHCE)
- * Red Hat Certified System Administrator (RHCSA)
- * Red Hat Certified Specialist in Ansible Automation
- * Linux Foundation Certified Engineer (LFCE)
- * Linux Foundation Certified Sysadmin (LFCS)

EXPERIENCE

DevOps Contractor, HMRC, Manchester, UK August 2018 -

Building and supporting a platform architecture in AWS, this role saw heavy use of Ansible, Docker, Terraform, Jenkins, GitLab, and a variety of other DevOps tools. Slow transitions to a more streamlined deployment were a key element of the role, minimising disruption and ensuring ‘master’ branches could be trusted not to break existing installations. Worked to deploy and maintain a rebuildable Elastic Stack deployment in AWS, capable of auto-recovery.

DevOps Contractor, Ministry of Justice, London, UK July 2017 - August 2018

Primarily a 'DevOps' role, this specific placement saw a lot of work with Jenkins, Ansible, Azure, Docker, Terraform, Zabbix, Molecule and an attempt at implementing best practices in a primarily IaaS environment. Day to day improvements to deployment roles and pipelines were a common element, as well as working with individual teams in the 'Reform' project to improve the experience of the general public using Government services (such as Civil Money Claims and Online-Divorce.)

DevOps Contractor, William Hill, Leeds, UK April 2017 - July 2017

Brought in to help out the Data Stream, I was tasked with working on projects in their backlog, helping ease the burden on the permanent staff. In this role I investigated and built POC deployments of two technologies, JobScheduler Enterprise Scheduler (SOS-Berlin) and Dreamfactory. Both technologies were implemented using Docker on their in-house Marathon/Mesos deployment. I also deployed a single MSSQL-Docker instance and tied into the internal AD. Containers were written to be transient, their configuration stored as code in Gitlab. I also wrote local-dev environments so developers could build upon the software on their local machines.

**Systems Operations Engineer, Hewlett Packard Enterprise, Warrington, UK
November 2014 - April 2017**

Working as part of a global systems operations team, this role featured hands on work with Red Hat Linux, CheckPoint Firewalls, HP Storage, VMware ESXi and vCentre. there was a focus on moving everything to automation using first Chef, then Puppet. We used Docker and Icinga2, alongside old classics like SNMP and extensive Bash scripts. During my time here I championed streamlining ageing infrastructure deployment using Packer and Terraform, along with moving to Azure or AWS.

My time at HPE was during a period of rapid change, first working for HP, then HPE, then DXC before leaving.

**Systems Engineer & Support, Data Messaging & Communications, Manchester, UK
September 2012 - November 2014**

Initially my role at DMC was customer-facing support, with elements of sysadmin and hardware maintenance. Primarily a SIP & VoIP solutions provider, my job was focused around the installation, maintenance, and support of systems from the basic five-person-office to the more complex call-centre implementations of our Asterisk PBX spin, based on Debian. Along with VoIP there was bash scripting, file sharing, HP and Dell server hardware, and even occasional Windows desktop support.

Latterly my duties were split, half of my time dedicated to second-line support duties for Asterisk and the other half research and systems improvement. Examples include setting up an OpenVPN solution, and also an L2TP LNS system to tie into a provider's existing network; building a distributed MooseFS service; and expanding our virtualisation solution for our growing number of virtual machines, built on KVM/QEMU.

**Data Centre Engineer, UKFast, Manchester, UK
February 2010 - June 2012**

The job that got me into IT was a hands-on role that meant day-to-day contact with a variety of servers, HP, Dell and a reasonable amount of white-box building too.

The work done in this role ranged from mass-unboxing of new servers, to set up (including BIOS tweaking and installation,) and racking with ongoing maintenance throughout the server's life. This work was also shift based, including weeks of nights.

SKILLS

Linux (kernel,) Red Hat, CentOS, Debian, Ubuntu, Arch, Alpine, OpenSUSE, Fedora, OpenBSD, FreeBSD, macOS, numerous others...

Docker, QEMU/KVM, libvirt, VirtualBox, VMware.

Ansible, Chef, Puppet, Molecule, Terraform, Packer, Vault, Vagrant, Git.

Zabbix, Nagios, Icinga2, Munin, SNMP, SSH.

Writing (the book is quite long...)