

DON WALL



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OFFICE ADDRESS

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Cloud & DevOps engineer with hands-on experience in architecting and optimising business critical infrastructure and software deployments. Proficient in software development tools and creating CI/CD pipelines.

Involved in a range of Agile projects, designing & implementing deployment strategies with automated build and testing for production.

Cloud solutions architecture; deployment & management, especially with AWS services & virtualisation technologies such as VMware.

Experience with delivering complex IaaS, PaaS & SaaS customer projects.

Design & configuration, local environment build, deployment to test & production before final data migration and Go-live on site.

Technical Skills

DevOps	Cloud & Virtual infrastructure
Tech Stack CI/CD Automation Build: <ul style="list-style-type: none">Jenkins - Bamboo - Docker - PowerShell - NexusDeveloped, maintained and automated CI/CD pipelines for code deployment Containers: <ul style="list-style-type: none">Docker - Docker swarm - KubernetesOrchestrated Docker container cluster using KubernetesBuilt and deployed Docker containers for implementing microservice architecture from monolithic architecture Version Control: <ul style="list-style-type: none">Git - GitHub - Subversion (SVN)Maintained Git workflows for version and source control Configuration Management & Hashicorp tools: <ul style="list-style-type: none">PowerShell - AnsibleVagrant - Packer - Terraform - Vault	AWS Compute & Network: VPC - CloudFront - Lambda - ELB Storage & Database: S3 - RDS - DynamoDB Containers: ECR - ECS - EKS Security: VPC - IAM - KMS - Security Groups - NACLs <ul style="list-style-type: none">Management: CloudFormation - CloudWatch - CloudTrailDesigning scalable AWS infrastructureSpot instance management and cost saving VMware <ul style="list-style-type: none">ESXi 4.X - 6.5 - vSphere - vCentre - VCP-DCV 5 & 6vCentre clusters, multiple stretched datacentres & large migrationsInfrastructure design & redundancy planning (clustered, heartbeat network with replications)Management & Administration of 1000+ users & VMs, private / public cloudsComplex backup solutions, using Veeam and Nakivo

Linux	Windows
CentOS Debian Ubuntu Redhat Kali Solaris <ul style="list-style-type: none"> Linux networking deployment, config & troubleshooting Database: Postgres, MySQL, MariaDB, MongoDB Website development & design – LAMP Stacks App and Web Servers: NGINX - Apache – IIS ZFS file systems, aggregation, HA, redundancy & replication SSH configurations & virtual Linux firewalls 	2003 SBS 2008 R2 2012 R2 2016 2019 <ul style="list-style-type: none"> Physical & Virtual Windows installation & configuration AD domain deployment, management, redundancy & troubleshooting Windows Networking administration with routing and traffic / packet inspection IIS design, build, configure & integration with bespoke software

Other Key Skills
<ul style="list-style-type: none"> Write functional code / IaC in most languages, however Python & JS/node.js are preferred IaaS consultation, design, deployment & Technical presentations for software projects <ul style="list-style-type: none"> Transactional database design with Postgres & business Software L2 & L3 network switches including STP /RSTP /MSTP, VLAN design and configuration <ul style="list-style-type: none"> Technical documentation & Disaster recovery planning Experience with interviewing for technical positions

Work History

Millenico | DevOps Engineer | 10.2018 – Present

I am setup in technical offices in Sheffield City centre where I work on customer projects in a contract Cloud/DevOps Engineer role. My most recent work has been heavily involved with web applications and creating microservice architectures with node, Docker and managing the cluster with Kubernetes. I have also successfully completed a migration of an on-prem environment to a secure production environment on AWS.

I'm really interested in serverless technology and I was lucky enough to be part of a development project for an E-Commerce company where I was able to utilise AWS for operating a serverless web frontend which sent requests to Lambda functions via the API gateway endpoints. I also built in log analysis with cloudwatch & sns. I utilised AWS services, such as; API GW; CloudFormation and Lambda to achieve this.

Bioxydyn | Senior Infrastructure Engineer | 07.2017 – 10.2018

I was employed at Bioxydyn predominantly in a DevOps role to work with the product software team on the MRI image analysis application which was to be launched in the NHS to aid radiologists with more accurate diagnosis.

I plugged into the software development team and designed, built and managed the infrastructure and tools we used whilst developing the product. To achieve this I explored DevOps practices, using containers (Docker) I broke down the monolithic design and introduced a microservice architecture, I then introduced Jenkins and created the pipelines for testing & deployment. Using Packer & Vagrant I orchestrated the deployment to a production environment on AWS for live analysis. To ensure I could support the physicists, especially with the Jupyter notebooks & AWS instances, I built a service desk using the Atlassian tool suite and managed

any requests / issues in JIRA. My knowledge of data and security increased, especially working with medical (NHS) networks, systems and DICOM image types.

Merlin Business Software | [Infrastructure Engineer](#) | 03.2012 – 03.2017

My time at Merlin was an important part of my progression in the IT world. I successfully completed many business system & software installations, ranging from single server on site, to hyper converged private cloud systems and multi-tiered hosted infrastructures. My role demanded complex network, storage & compute designs.

Concurrently I was the lead Hosted Infrastructure Engineer, managing the datacentre and all our servers with customers live 24/7. The Infrastructure was built around VMware so I studied and passed VCP qualifications for Data Centre Virtualization in both major versions of ESXi 5 and 6 (VCP-DCV).

With the growth and success of Merlin's engineering services on the hosted platform, it was a requirement to migrate and expand to a larger Data Centre. The DC migration involved building the infrastructure from the ground up at both Data Centres; implementing the mirror network and planning the whole migration. The hardest task was the disaster recovery plan and migrating Merlin's live customers with no 'down time'.

I was heavily involved in technical consultation, assisting our sales team onsite securing larger six figure software and hosting deals, presenting the technical details and taking to a whiteboard to translate the customer requirements to technical design.

CercoIT | [Field Engineer](#) | 01.2012 – 05.2012

During my time working as a contract engineer I was involved in many projects, the largest was working for Carphone Warehouse fitting biometric devices in stores up and down the UK. I also reinstalled and built new computer systems at various BT sites in their roll out of BT Engage across the UK. I gained good customer facing experience and problem-solving skills whilst working for CercoIT

Achievements & Qualifications

VMware

VCP-DCV 6 - (VMware Certified Professional – Data Centre Virtualization 6)

VCP-DCV 5 - (VMware Certified Professional – Data Centre Virtualization 5)

VTSP 5 - (VMware Technical Sales Professional 5)

Unique IT Training

Cerco Certificate in Systems & Networking (CCSN)

Open University IT Qualifications

CompTIA A+

CompTIA N+

Darlington College

EDI Accredited Certificate in Service Values and Ethics

NVQ – Level 2 in Public Services

NVQ – Level 3 ICT

Ecclesfield Comprehensive GCSE's

Science – A | Additional Science – A | Computer Science – A | Mathematics – B |

English Literature – B | English Language – B | Physical Education – B | Drama – B