

OLIVER SMITH

Near Wakefield, West Yorkshire

I'm a passionate engineer and architect interested in the design, build and maintenance of secure cloud platforms. I have a broad range of skills and experience in platform engineering / SRE, software development and system administration. I enjoy building technology that makes a tangible difference to businesses and users.

EXPERIENCE

Specialist Platform Engineer - Egress Software Technologies, *Sheffield Jan 2018 - Present*

A senior member of the team responsible for designing, supporting and developing Egress's secure cloud infrastructure including Windows, Linux (CentOS / Ubuntu), Docker and Kubernetes systems and working with developers in an agile environment to deploy and the support SaaS applications used for secure data sharing.

- Designed, built and supported migration of multiple core products to Azure integrating new HA designs, including reader.egress.com a secure email reader, Egress Trust Proxy, a secure proxy service for Egress services.
- Deploying and maintaining custom products for high profiles customers e.g. NHSmail Secure Email, CJSM.
- Designed, built and supported an AKS POC to reduce maintenance of legacy Kubernetes versions.
- Writing and maintaining a collection of shared Terraform and Salt modules which enforce coding standards defined by the team and share standard modules between deployments.

Technical Lead - WRM Media, Wakefield *Nov 2014 – Jan 2018*

Responsible for software development, maintenance and support of all IT systems, including multiple software and infrastructure projects in a busy email marketing and lead generation business.

- Rebuilt and optimised services for distributing leads to external clients using Laravel, Symfony components and RabbitMQ allowing increased throughput / revenue.
- Implemented HA MySQL using Percona Cluster and HAProxy to improve robustness and ability to scale.
- Improved monitoring by adding Graphite and Zabbix to give insight into application performance for debugging and future development.
- Implemented Ansible and Jenkins to manage the configuration of servers / LXC containers and deploy applications.
- Deployed OpenVPN to provide access to a private cloud incorporating physical and virtual servers across multiple locations.

Software / IT Lead - Marvelpress, Sheffield *Feb 2010 - Nov 2014*

Responsible for all IT systems in a matured print startup (20-30 people) including software development, infrastructure and office IT.

- Developed a suite of LAMP based order management tools and APIs which processed over 300,000 print orders annually including automated testing and deployment.
- Built and lead a small IT / Software team from the ground up (I was the first technical hire).
- Designed and implemented a large on premise server / network rebuild to increase order processing capacity by 10x.

SKILLS

THINGS I'M FAMILIAR WITH:

Azure, AWS, Linux (CentOS, Ubuntu), Windows Server, Terraform, Salt, Powershell, Bash, Python, Docker, LXC, Kubernetes, Zabbix, Grafana, PHP, Javascript, CSS, MySQL, SQL Server, Redis, RabbitMQ, Exim, DNS, Email (SMTP, DKIM, etc), HAProxy, Apache etc.

THINGS I'VE USED AND CAN PICK UP AND UNDERSTAND:

Active Directory, LDAP, Dovecot, NFS, Gluster, DRBD, C#, node.js

EDUCATION

MSc. Computing Northumbria University

Jan 2008 - June 2009

BSc. hons. Chemistry University of Durham

Sept 2004 - Jun 2007

A levels Chemistry, Physics, Maths, AS Biology, AS Design