

## **Projects / Consultations**

### **Freelance Consultation - Major TelCo, NDA**

Note: This project is bound by NDA, so the following may be vague in parts.

- Represented Red Hat as an OpenStack Architect, CEPH expert, and general Red Hat Linux resource for tuning or troubleshooting assistance.
- Worked directly with a paired client engineer on-site during on-boarding and workshops, then supported remotely once we were designing or developing.
- Project headed by a top three networking hardware vendor, delivering large “General Purpose” installations in their data centres - and also smaller “Edge Clouds” to enable on demand software defined networking appliances (NFV).
- Addressed significant security requirements and ensured the service met a 99.999% uptime SLA, rigorously testing high availability and transparent maintenance strategies.

### **Capgemini Project - Home Office, Westminster**

Note: The below is deliberately vague as there is a degree of this project that cannot be disclosed.

- Worked on the existing "Application Container Platform," a Kubernetes/Docker framework for the Home Office.
- Assisted with adding additional environments.
- Worked on their CI/CD system, tailored to delivering applications to Kubernetes environments (Based on Concourse, and Argo).

### **Capgemini Project - HMRC (Inland Revenue), Southend-On-Sea**

Note: The below is deliberately vague as there is a degree of this project that cannot be disclosed.

- Worked on “Aspire” collaborative effort to re-platform the CHIEF Mainframe to cloud based microservices.
- Wrote new Terraform and Ansible playbooks to provision, and automatically bootstrap / configure VM's on AWS.
- Assisted with the implementation of logging and a 12 Factor (Heroku) style deployment model for each microservice.
- Authored Groovy scripts for Jenkins pipelines.

### **Rackspace Professional Services - Middle Eastern Government**

- Acted as Lead Architect on a large OpenStack/VMWare installation within a government entity in the Middle East.
- Managed complex requirements to satisfy extremely sensitive data classifications.
- Defined cloud sizes, identified suitable vendors, and integrated complementary technologies from existing systems and processes.
- Represented the customer in meetings with software vendors on all things OpenStack and OpenShift, to ensure it met all of our requirements, was licensed

fairly, and the vendor had no plans to either sunset the software - or OpenStack support in the next decade.