

ROBERT FLETCHER

Big Data Engineer

☎ 07752424726 📍 Malvern, UK @ robrotheram@gmail.com 🌐 robrotheram.com 🔄 robrotheram in robrotheram

EXPERIENCE

Qinetiq

Big Data Engineer

- Setup setup multiple Kubernetes clusters
- Deployed Kubeflow (a open-source machine learning platform)
- Custom Webproxy written in Java Spring on JBOS
- Created Custom Elasticsearch and Kibana plugin
- Management of several Elasticsearch clusters
- Given talks on a variety of technical subjects to a wide range audience from Engineers to Business analysts
- Driving DevOPS methodology with current projects
- Deployed Jenkins CI Server and pipelines
- Deployment and configuration management with Ansible.
- Monitoring servers and applications with tools like ELK stack, Prometheus and Grafana
- Custom Signal Processing framework using REDHAWK SDR, MongoDB, Docker Containers for horizontal scalability
- Custom UI Fronted to the Analytic platform written in React
- Designed a Big Data modular streaming Architecture.
- Linux (RHEL, Ubuntu) and Windows Server administration
- Developed Small tools in Go

📅 September 2016 - Ongoing

Cisco

Software Engineer

- Worked on Apache Perl Manufacturing Management Platform
- Installation and configuration of multiple Openstack Clusters in worldwide data centers
- Implement a big data Analytic platform that uses Logstash, Scala/Spark and MongoDB
- Custom UI Fronted to the Analytic platform written in Angularjs and custom D3 Visualization

📅 August 2015 - September 2016

Sureview systems

Software Developer

- Custom Android App that provides mobile access to real time event data for users of Immix® Cloud. View event video, recorded audit trails, live camera feeds, and event reports

📅 July 2014

EDUCATION

🎓 M.Eng. in Computing

Swansea University 1st class HONS

📅 June 2015

SKILLS

Containers Kubernetes Openstack

DevOPS Ansible

Linux configuration Java Go

Python Elasticsearch

Quick Learner Team Player

Problem Solver Agile working

Test Driven Development

CERTIFICATES

🌟 Elastic Cloud Enterprise Fundamentals

🌟 AWS Essentials

AWARDS

🌟 1st place Digital 2014 Hackathon - Software Alliance Wales

🌟 City and Guilds Level 4 Software Development

DISSERTATIONS

Visualising Engineering data and display it for public understanding.

Single Page Web-app that was designed to engage the public with engineering topics

</> WebGL - Nodejs - SocketIO

📅 2015

Health care Visualisation

Visualisation public available healthcare data to identify trends

</> Angular JS Python Flask-REST - MYSQL

📅 2015

Digitising the campus

The project involved capturing multiple building and rendering them and adding a navigation layer to help a person navigate the campus.

</> SFM - point clouds - Java - OpenGL - Unity - Blender - C#

📅 2014