TOBY FLEMING

SCRUM MASTER & SOFTWARE ENGINEER

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EDUCATION

2009 – 2013 **Masters of Physics (MPhys)** at University of Leeds

Bachelor of Physics (BSc Hons.) at University of Leeds

WORK HISTORY

2013 – 2016 **Scrum Master & Software Engineer** at IBM United Kingdom Ltd

I was the scrum master for the global IBM FlashSystem V9000 development team. (**agile, scrum, Jira, Confluence, Kanban**)

As the software architect for the Openstack on GFPS* deployment team, I supported the development of an install toolkit that provided a setup wizard and a fully auditable, automated cluster installation. I also helped design and set-up our continuous integration pipeline. * aka. IBM Spectrum Scale (**Python, Chef, Vagrant, Jenkins, Gerrit, Linux/Unix, GPFS, Openstack**)

I led the development of IP quorum on IBM Storwize products. If the connection between two sites is lost, this feature allows the cluster to continue running. Instead of a third site appliance, a simple application can be deployed without costly fibre-channel connectivity between all sites. (**C, Java, Linux/Unix**)

For the initial release of IBM FlashSystem V9000 I owned and shipped the first-time data capture and disaster recovery (tier 4) features. (**Perl, C**)

As part of the Manchester Lab DevOps team, I ran our DNS & DHCP infrastructure until mid-2015. (**Linux/Unix, DevOps, sysadmin, Ansible**)

2011 – 2013 **Software Engineer** at Work AnyWare Ltd

To augment our web-based cloud document storage service I created a Microsoft Office plugin, which automatically versions and uploads documents when the user saves. Users can also open any version directly without switching to the web interface. I also wrote the server side API. (**C#, PHP**)

2012 **Summer Undergraduate Research Fellow (SURF)** at
California Institute of Technology

As part of the LIGO Scientific Collaboration, I designed and wrote a web application for collaborative electromagnetic follow-up of gravitational wave candidates. (**Python, NumPy, C, HTML5, Javascript**)

2008 – 2009 **Junior Software Engineer** at Ostertag Solutions AG

I ported our attendant console product from legacy Visual Basic to C#. I designed and coded the UI for a 24" touch-screen VoIP/SIP telephone that was presented at the 2009 CeBIT conference. I also deployed servers and hardware on-site for customers. (**Visual Basic, C#, .NET, Linux/Unix**)

Sydney, December 25, 2016