

# David Foy

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## PROFILE

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Innovative High Performance Computing Linux System Administrator with experience in many data center administration technologies such as; Load Sharing Facility(LSF), Sun Grid Engine (SGE), DDN and Gridscaler GPFS storage, CNFS, NFS, Suse Linux Enterprise(SLES), and Red Hat Enterprise.

## SKILLS SUMMARY

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- DDN gridscaler GPFS storage, CNFS, NFS, RAID, SAN, RSYNC, SCP
- SUSE, openSUSE, Red Hat, Debian, Ubuntu, Arch, Fedora, Windows Server 2003, Windows Server 2008, Windows XP, Windows 7, Windows 8
- VMware vCenter, VMware ESXI, VMware ESX, VMware vSphere, VMware Workstation
- Bash, Perl, PHP, Python, C++, C, HTML5, CSS3, Javascript, powershell, NuSOAP
- Active Directory, LDAP, DNS, DHCP, HTTP, HTTPS, TCP/IP, FTP
- LSF, SGE, CMU, ILO, xCAT, CMM, AMM, IMM, PDSH, RTM, IPtables, snmp, impi, mRemoteNG, Mellanox, Infiniband
- APACHE, MySQL, Oracle SQL, PL/SQL, NetBeans, Eclipse, LAMP, WAMP, XAMPP, SOAP Web Services

## CERTIFICATIONS

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- DDN Solutions Gridscaler GPFS Certification

## EDUCATION

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- Aug 2014 – Aug 2015, Postgraduate Higher Diploma in Applied Science (HPC System Design & Development), *National University of Ireland, Galway (NUIG)*
- Sept 2012 – Sept 2014, Master of Science (MSc) Computer Science, *University College Dublin (UCD)*
- Sept 2008 – Sept 2012, Bachelor of Science Honor's Degree (BSc) Business and Accounting, *University of Ulster, Magee*

## EMPLOYMENT HISTORY

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- 15/02/2016 – Present                      High Performance Computing System Administrator, Queen Mary University London  
Responsible for the administration and management of 300 compute servers and storage infrastructure with various flavours of Red Hat (Scientific Linux and Centos). Working on job flow configuration and management with SGE, hardware configuration, and cluster roll out. Taking care of OS and kernel upgrades, patching and package configuration via puppet.  
Project lead for research and implementation of an open source cluster monitoring system (Nagios, Ganglia).
- 4/8/2014 – 12/02/2016                      High Performance Computing System Administrator, General Motors  
Member of team of 13 people. Responsible for administration and management of over 7000, Linux SLES Enterprise High Performance, compute servers. Working on LSF, storage, software and package management. Take care of OS upgrades, OS patch rollout.  
Project lead, for building in house, multi-cluster monitoring system, including both infrastructure and compute servers, with a web interface and Oracle database. As an addition to the project, I built a NuSOAP webservice for applications to report errors.  
Assumed a leadership position, and aided with knowledge transfer and training with remote teams.
- 30/5/2010 – 30/5/2012                      Ecommerce Manager, Foy & Company  
Managed a team of five people whilst coordinating building, and design of a transactional website. Customer relations specialist with regards to all queries made by clients and potential clients alike. Direct Point of contact with regards to vendors and vendor contracts.

## HOBBIES AND INTERESTS

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As a keen traveller, I have visited Africa, America and parts of Europe. Fitness enthusiast through, cycling, jogging, also, a member of local gym. A keen musician, having, played drums in several bands. Currently doing Spanish language lessons. Enjoy doing development projects in my spare time, such as metasearch engines, and websites.

## REFEREES

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Available upon request.