





Darren Rogers

Senior Site Reliability/DevOps Engineer

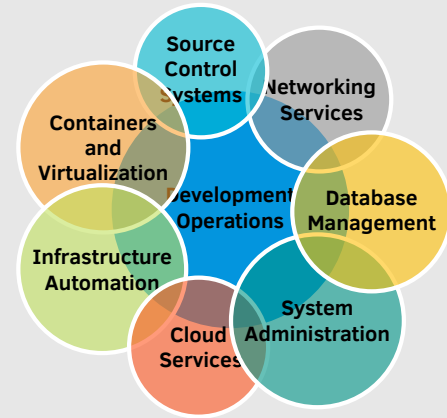
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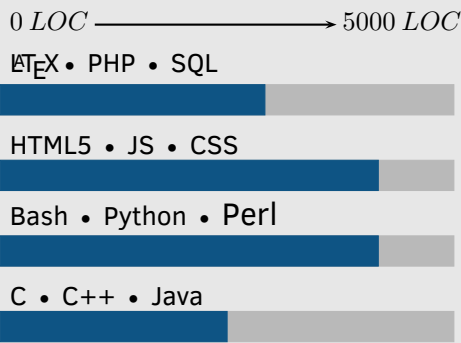
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Skills Overview



Programming



Profile

- An IT professional with over 20 years of experience working in a variety of Site Reliability, DevOps, System Administration and Architectural roles.
- Experienced in technology fields including Containerisation, Automation, Software Development Operations, Enterprise Storage, Clusters, Database Administration and Unix/Linux Administration.
- Experienced in many Internet Technologies such as TCP/IP, DNS, packet filtering and more that underpin Cloud Infrastructure.
- 🏆 Member of the team that built the Guinness World Record-certified Largest Data Warehouse (2012).

Education

2013 - 2018 **BSc (Hons) Computing and IT** (1st Class) Open University

Experience

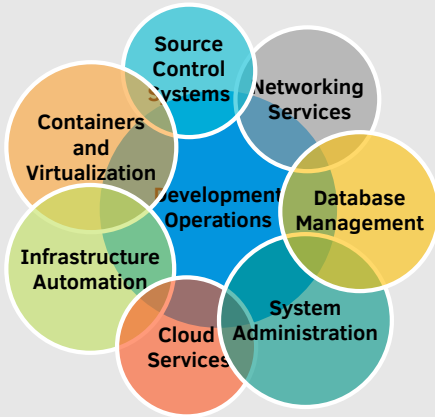
- Jul 2016 -
Now

Senior Site Reliability Engineer IBM (Watson Health); later Merative, Dublin, Ireland
As of October 2022, IBM Watson Health is now a standalone company called Merative
- Ensuring monthly releases are created on time, with all required updates, fixes and documentation
 - Design and implement migration from VM-based infrastructure to Kubernetes-based container deployments
 - Design, implement and maintain operational processes around database user management, backups and high availability
 - Manage Cloud Development/Test environment, including access to deployments in Kubernetes namespaces and service connectivity
 - Maintain integrated GitOps environment, with Jenkins implementation as front end
 - Provide third-level support for customer deployments
 - Provide HIPAA-compliant database audit policy
 - Primary point of contact for all database and DevOps implementation queries
- May 2009 -
Jul 2016

Db2 Infrastructure Lead IBM (Software Group), Dublin, Ireland
- System administration for all the Development and QA systems in Ireland, consisting of approximately fifty mixed hardware type (x86 and IBM POWER) servers backed by several hundred terabytes of storage in multiple SANs
 - Maintenance of security compliance on all systems
 - Administration of the replicated ClearCase source code repository
 - Implementation of systems availability and performance monitoring
 - Design and implementation of new system projects, from simple expansion of the environment to the set up of new technologies, such as the implementation of a test system replicating a geographically dispersed database cluster
 - Design, implementation and administration of a central authentication system
 - Performing data centre operations support for our computer lab
 - Provide first point of contact for technical queries relating to linux, UNIX or general infrastructure queries from within the department, and from the larger Irish lab team
 - Mentor other technical staff

Skills

Overview



Hard Skills

JAMstack (Jekyll) • LAMP • Wordpress

AWS • DigitalOcean • GCloud

Swarm • OpenStack • Kubernetes

Docker • LXD

Ansible • Puppet • Vagrant

Jenkins • GitLab Pipelines • Travis

GitHub • GitLab • BitBucket

Projects

Open Source

Single System Image Cluster - Master Thesis: Parallel Signal Processing using the Single System Image Cluster

PiSensor - [GitHub] NodeJS server for the DS18B20 temperature sensors on the Raspberry Pi

Docker Wordpress-cli Sage - [GitHub] Wordpress-cli Sage development environment based on Docker, composer, yarn, webpack and ssh

Traefik Compose - [GitHub] Docker Compose to setup Traefik ingress for web traffic load balancing and high availability

bitroniq.github.io - [GitHub] Jekyll theme based JAMstack page for personal site, blog, and portfolio

README template - [GitHub] Markdown template to use in projects, with semantic versioning, release history, dynamic badges etc.

Jan 2006 -

Senior Systems Administrator/Architect

Irish Broadband (later Imagine

Ltd), Dublin, Ireland

May 2009

Here I had the opportunity to build up an application infrastructure from scratch to the requirements of the business This role involved:

- Architecture design, build and installation of the combined BSS/OSS hardware platform.
- Architecture design, build and installation of the company web-servers and online ordering portal
- Implementation of backup system, system monitoring and systems performance monitoring
- Database administration of core CRM databases, including backups, replication and optimisation
- Development of applications to integrate third party provisioning systems with the BSS/OSS platform, in perl. These interfaces included provisioning support for VOIP and DSL connections and relevant customer communications
- Day to day third level support for end users of the BSS/OSS system
- Initial troubleshooting and resolution (in partnership with our software vendor) of application issues with the BSS/OSS system
- Bug logging, testing and validation of bugfixes provided by our software vendor
- Systems administration for Web Development team, including installation and maintenance of development and staging environments.
- Training and advice in MySQL, general SQL and general linux usage for our Web Development team, Data Analyst and Windows LAN administrators. I also provide advice and support in emergencies to our IP Engineering and Network Operations teams, in respect of Unix services and MySQL databases.

Dec 2000 -

System Administrator/Senior System Administrator/Team Leader

Alphyra Group Ltd, Dublin, Ireland

Dec 2008

Chief duties included:

- Responsibility for day to day operation of systems providing Electronic Funds Transfer (EFT) and Pre Paid Cellular (PPC) top up codes to a large terminal estate across six European territories.
- Network management and connectivity for both the Irish and other European offices. Maintenance of external nameservers and mailservers, and VPN connectivity.
- System maintenance including regular maintenance on all databases, backups, and upgrades to existing systems.
- Disaster recovery for production services is provided at an off site location, which is our responsibility. I was involved in the initial design and deployment of the DR site, and oversee current operations
- Stock monitoring and management of the PPC codes, including encryption, decryption, loading and stock level monitoring.
- Functional testing/QA of new host system and terminal application software is provided by us.
- I am also responsible for the general administration of the Systems Administration team. This would include details of attendance, payroll, annual leave, etc. In the absence of the System Manager, I would also deputise for him.
- This role also requires a rota'd period of on call, where I would be available 24 hours a day for a week-long period.
- The Team Leader role, taken on in June 2004, includes a general responsibility for two business units (Ireland and Roaming, the latter including four European territories), with a dedicated team of two Systems Administrators working for me. From a system point of view, direct responsibility is also taken for database administration (primarily MySQL, with some Oracle) across all systems.