

from the desk of

TOM O'CONNOR

address

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Profile

A talented and enthusiastic DevOps engineer with extensive experience in application development, service-oriented architectures and programming in a variety of languages. Has good leadership skills and able to efficiently work alone or as part of a multi-disciplinary team. Extensive linux, scalability, networking and virtualization knowledge in parallel with Windows desktop and server administration experience. Recent experience with modern data storage and queuing technologies, such as Redis, MongoDB and RabbitMQ.

Skills

Programming: Python, Django, Java, Ruby, Puppet, C/C++/C#, Qt, MySQL, Postgres, MongoDB, Redis, RabbitMQ, HTML5, CSS, Javascript, Linux/UNIX shell scripting, Git, SVN, CVS, Bazaar, Jenkins, Selenium

Operating Systems: Ubuntu, Debian and CentOS linuxes, OS X, Solaris, VMware ESXi, XenServer, KVM, Microsoft Windows 7/Vista/XP/2000 and Server 2008, Active Directory, SQL Server.

Network Technologies: iSCSI/FC SAN, GlusterFS, Cisco IOS, Munin, Nagios, SNMP, MongoDB, Message Queues (RabbitMQ), High Availability & Scalable Network Architectures.

Experience

Founder, Astound Wireless London, UK - July 2012 - Present

Founded Astound Wireless, a network consultancy specializing in wired and wireless networks for events, (un)-conferences and SMEs.

- Provided wireless network connectivity at 3 developer events in 2012, LondonRealtime, UnlockLondon and MMXII.
- Worked with Innovation Warehouse to migrate them between leased line providers. (Ongoing)
- Co-ordinated the network + systems installation at StackExchange's new London office.

Systems Administrator, Secret Sales Ltd - London, UK October 2012 - January 2013

- Implemented a centralized logging server using Redis, Logstash and Elasticsearch.
- Assisted with continuous deployment and release strategies.
- Coordinated with IT teams to ensure the smooth running of office and datacentre systems.
- Primary point of contact for liaison with outsourced IT, hosting and CDN services.

DevOps Engineer, Baseblack Ltd - London, UK October 2011 - October 2012

- Implemented a tape backup solution using CommVault.
- Completed Hitachi HNAS Administrator training.
- Co-ordinated the construction emergency rendering farm based on Mac Pro hardware.
- Responsible for developing a software packaging build environment for standardizing the production of new software packages.
- Refactored existing Puppet manifests into a working, usable form for end-to-end deployment of new workstations and servers.
- Conducted a number of vendor 'bake-off' sessions for comparing vendor offerings.
- Administered and expanded the 10Gbit core network and blade server rendering farm.
- Tested a number of alternative mechanisms for server/service monitoring.

Systems Engineer, Glasses Direct Ltd - London, UK August 2011 - October 2011

- Built from scratch a set of puppet manifests for configuring a group of Amazon EC2 servers.
- Built a high-level management interface for controlling EC2 instances, and tracking their expense.
- Architected the system for a new e-commerce platform from a hardware level.
- Created a development and testing environment using Vagrant and VMware ESXi.
- Wrote a system for storing Nagios configurations in MongoDB.

Infrastructure Engineer, Football Radar Ltd - London, UK July 2010 - August 2011

- Responsible for all IT purchasing and procurement.
- Designed and implemented an online recruitment site for the company, and a new public-facing corporate website.
- Architected the growth of the office network, from a few PCs to nearly 90 workstations, and multiple load-balanced ADSL lines.
- Leveraged the scalability and flexibility of Amazon EC2 cloud to achieve instant performance increases.
- Migrated all services from a single underpowered VPS, to a much more powerful cluster of Cloud and Dedicated Servers.
- Configured VPNs for remote-access, and data provider access using standard Cisco protocols.

Education

Hitachi Professional Training — HNAS Administrator 2011

University of Birmingham, UK — DipHE Bioinformatics (Computational Biology) 2008

References

On request.