

# Ciarán Coffey

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## PROFILE

I am passionate about reliable systems. I believe in automation and defining infrastructure as code. I enjoy working with my colleagues to solve issues using the appropriate tools.

## WORK EXPERIENCE

### 7digital (London)

7digital is mainly a B2B music provider of 50 million+ tracks and radio streams to a global audience

*Systems Administrator*, June 2015 - Present

Building, testing, managing and improving the full range of 7digital's physical, virtual and cloud based infrastructure.

- ▶ Loadbalancing with Nginx, HAProxy, Keepalived
- ▶ Nginx, apache and IIS web servers
- ▶ Cache management with squid, varnish and Fastly CDN
- ▶ Windows and Linux server administration
- ▶ Strong emphasis on Continuous Integration / Delivery
- ▶ Physical, virtual (KVM, ESXi, IMS) and cloud (AWS, Google) infrastructure
- ▶ Automation with Chef and CFEngine
- ▶ Networking (Cisco, Juniper, Iptables)
- ▶ Building & maintaining large scale storage (Dell MD, GlusterFS, Google cloud storage)
- ▶ Migrated old hardware to services running in AWS, and Google cloud
- ▶ Managing & improving our logging platform (Redis, Logstash, Elasticsearch)
- ▶ Diagnosing problems using Zabbix, application logs, kibana, grafana and other sources of metrics
- ▶ Participated in 24/7 on-call rotation
- ▶ A small, agile team, collaborating with each other and the company as a whole

### Citrix (Dublin)

Citrix have a broad range of products enabling people to work from any device anywhere.

*Escalation Engineer \*nix*, Jun 2014 -May 2015

- ▶ Worked as a bridge between the dev teams and end customers.
- ▶ Debugging for the Citrix suite of products that ran on Linux, Solaris and AIX
- ▶ Xenserver virtualization and VMware ESXi
- ▶ Storage: Fiber channel, HBA & software iSCSI, NFS, CIFS
- ▶ Hardware, driver and OS bug finding and workarounds
- ▶ Orchestration with Cloudplatform
- ▶ Linux, Android, MacOS and OSX receivers for XenApp/XenDesktop
- ▶ Network fault finding from the internet into internal corporate networks, TLS/SSL
- ▶ Languages involved: Python, Bash, Java, OCaml

*Escalation Engineer Cloudplatform*, Oct 2013 -Jun 2014

- ▶ Dedicated Escalation Engineer for select enterprise EMEA customers
- ▶ Managing hot issues, prioritising cases and bugs with the dev teams

*Senior Xen/Unix Support Engineer*, Aug 2011 - Oct 2013

- ▶ Worked on support issue directly with partners and customers.
- ▶ Initial fault finding, fixing and RCA on the same products as suite as above.

#### **Amazon Data Services (Dublin)**

Amazon, the online retail and cloud computing giant.

*Datacentre engineer, Mar 2011 - Aug 2011*

- ▶ Fault finding in hardware, using linux tools to inspect hardware
- ▶ Fixing the above systems
- ▶ Repsonding to emergency situations in a 24/7 environment
- ▶ Managing spare parts
- ▶ Physical systems installation, racks, power, network, etc.

#### **LM Ericsson (Dublin)**

Ericsson provide telecommunications equipment and services globally.

*Solutions Integration Engineer, Sep 2007 - Oct 2010*

Local building and onsite installation of hardware and integration into networks of Lawful Intercept equipment.

- ▶ Solaris (Sparc and x86)
- ▶ Suse Enterprise x86
- ▶ Network debugging
- ▶ Acceptance testing with customers
- ▶ Provided training both “on the job” and in class rooms
- ▶ Hardware ordering and building

## **EDUCATION**

#### **Kevin St. DIT (Dublin)**

*BSc Hons 2:1, Computer Science (FT-228), 2003-2007*

## **HOBBIES**

Practicing python, automating systems, letting computers do the work

Staying active, weather it be going to the gym, running or cycling

Small scale electronics and building systems from them

Bicycles and motorbikes, using, fixing and building

PC gaming, but it's low on my priority list