Bryan Cochrane

DevOps

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About

Experience in DevOps methodology and Systems Engineering on several flavours of Linux. Extensive experience in virtualization and cloud management. Proven ability in leading technical operations. Experience in writing automation scripts with Python, Ruby, C, and Shell Scripting. Experience on LDAP management and integration with other applications. Extensive experience on web applications configuration and administration. Developed automation and deployment utilities. Designed and developed automated deployment and scaling processes based on Puppet and Ansible for a wide range of server types and application tiers, including Elasticsearch, and IIS. Wrote custom monitoring and integrated monitoring methods into deployment processes to develop self-healing solutions. Created automation and deployment templates for relational and nosql databases (standalone and RDS), including MSSQL, MySQL, PostgresSQL and MongoDB. Knowledge on mobile platforms like iOS and Android. Proven ability to deliver sessions and conduct workshops on various technologies.

Work

Imperial College London   2011-09-01 —

Research Computing   http://www.imperial.ac.uk (http://www.imperial.ac.uk)

In my current post I work for a world leading UK University in the Electrical Engineering Department (currently rated No 1 in the UK). I am responsible for all the Research groups within the department and provide and manage support for all hardware and software systems.

Highlights

- Design and plan the provision of computing for research groups at a departmental level, liaising with Computer Support Group staff. Liaise with lecturers and research associates in order to provide suitable software for research projects.

- Provide technical advice on the suitability of systems and services. Provide advice on how each Research Group can use our IT Infrastructure and associated systems as necessary, both in house and externally.

Effectively manage and develop research group support staff reporting into this position as required.

- Manage the Departments server estate. Manage Network and Security infrastructure including full troubleshooting of the network stack and problem resolution. Extensive use of automation, configuration management and data collection to anticipate and resolve problems before they can impact on service obligations.

Imperial College London   2008-01-01 — 2011-09-01

IT Specialist   http://www.imperial.ac.uk (http://www.imperial.ac.uk)

In this post I worked for a world leading UK University in a large IT department that works to internationally recognised standards including ITIL and PRINCE2. The IT Infrastructure is diverse incorporating all major IT platforms – Unix / Linux / Windows / OSX. I specialised in working with the internationally renowned Business School.

Highlights

- Working with ICT and customers to understand customer requirements and thence to produce operational systems solutions. Providing customer service/support oriented input to the project planning processes. Assisting in developing and improving ICT processes and procedures as they relate to the provision of the customer service.
- Solution: Designing and producing detailed service / operations solutions. Reviewing design solutions with ICT and customers. Testing new service/operations solutions to assess viability. Developing training and reference material.
- Following change management procedures to implement and document changes. Installing, configuring and upgrading hardware, software databases or networking in line with customer project requirements. Organising and providing training to customers on a classroom or one to one or group basis.

Dingwall Academy   2007-08-01 — 2008-02-02

Network Manager   http://www.dingwallacademy.com/ (http://www.dingwallacademy.com/)

I was the sole ICT member of staff for a Secondary School of 400+ client machines, 1100 Pupils and 170 Staff. I was responsible for both Internet & Intranet sites within the school including complex Virtual Learning Environments and for the setup and management of the School LAN and external connections.

Highlights

- This post involved evaluating user needs and system functionality ensuring that ICT facilities meet the needs of individuals and projects, scheduling upgrades and security backups of hardware and software systems and researching and installing new systems.

Education

University of Strathclyde   2001-09-01 — 2004-07-01

🎓 **Forensic & Analytical Chemistry**
Bachelor of Science

Awards

The Chartered Institute for IT

by **British Computer Society (MBCS)**   Awarded

Project Management
by **PRINCE2**   Awarded

Kanban for Agile Development
by **Skills Matter**   Awarded

Computer Science and Programming Using Python
by **MITx**   Awarded

Computational Thinking and Data Science
by **MITx**   Awarded

Statistics and R for the Life Sciences
by **Harvardx**   Awarded

Linux Systems Administration
by **Linux Foundation**   Awarded

Skills

Scripting

- Bash
- Powershell
- Python

Web Development

- HTML
- CSS
- Javascript
- Ruby

Cloud

- AWS
- Azure
- Google Cloud

Configuration Management

- Puppet
- Chef
- Ansible

Site Reliabilty Engineering

- Red Hat Enterprise Linux
- Debian
- Windows Server 2012 R2 / 2016

Languages

English
Native speaker