

Young, bright and enthusiastic Broadcast IT engineer looking for a career in a dynamic, fast paced organisation that will provide opportunities to expand my technical knowledge and skills, whilst also learning industry 'best practice'.

Profile: -

Good knowledge of computer systems and networks, gained through practical experience. Extensive knowledge of set up and use of MS Windows based operating systems. Moderate Knowledge of Unix/Linux based systems through daily use of Apple's Os X, Ubuntu and SUSE Linux distributions. Good foundation knowledge of automotive engineering based physics and mathematics, covering vehicle dynamics, automotive principles and automotive systems.

Skills Summary :

Computer Systems

Architecture and characteristics of computer hardware and software, building and configuration of computers to specification, installation and configuration of operating systems (Windows - Server and Client editions, Linux, Mac Os X Client and VxWorks) as well as various applications.

Computer Networks

Setup and configuration of local and wide area networks, ranging from small switch installations, through Cisco IOS router based networks to medium sized business switched networks for high volume video and audio file transfers, as used in TV and Post production. Experience with wireless networks based on 802.11 standards.

Moderate experience of network design and IP allocation, using subnetting and VLSM. Knowledge of NAT devices, operating principles and port forwarding for systems behind NAT devices. Experience with Cisco IOS Based Routers, for EIGRP routing and Vlan Configuration.

Packet capture and analysis over simulated wide area networks. Experience using VMWare Workstation to create simulated virtual networks.

Data analysis and database design

Basic MySQL Server setup, initial configuration and command line database modification.

Windows Programming

Use of Visual Basic to design and create database driven applications. Some experience using Microsoft WCF technologies to construct distributed applications and services, focusing on enterprise usage.

Web Applications

Setup and configuration of webservers within Lamp, Wamp and Mamp environments, (Apache, MySQL, PHP). Ground up design of database orientated standards compliant sites. Coding of themes and extensions for platforms such as [Wordpress](#).

Scripting

Bash scripting for Linux based administrative task, and disaster recovery processes for onsite proprietary systems.

Experience in writing Python scripts to automate various aspects of video editing workflow, within a broadcast grade distributed video editing and playout system. This involved interacting with a number of undocumented libraries, which subsequently interacted with Quantel's publicly exposed IDL.

Major Achievements :-

2:1 in Bsc hons Computer Systems and Networks

Completed a [Dissertation](#) investigating the possible use of network signatures to remotely detect botnet infected network nodes.

Qualified to HND level in MotorSport Engineering.

Vacation employment at Quantel Ltd. (Requested to return for 3 consecutive years).

Career to Date :-

Aug 2008 – Present

Red Bee Media Ltd. (Previously BBC Broadcast) - www.redbeemedia.co.uk

Broadcast IT Support Engineer

Based out of a client facility, providing technical support for a diverse range of solutions. The system includes Ardendo Ardome - a Linux based “Media Asset Management” system and spans two central London sites comprising of over 30 separate Suse Enterprise Linux servers. My role involved troubleshooting a range of functionality, often evaluating daemon level logs during the analysis of disruptions to the lightly documented proprietary system.

The second major aspect of my role requires my Quantel background to provide technical and in some instances operational support for 16 offline and 5 online Quantel sQ video editing systems.

I have implemented a project to document the system, setting up and administering an internal wiki to provide a central reference source of information.

This has proved useful from a personal development standpoint, as it was necessary to evaluate all existing documentation, to amend and update for inclusion within the wiki.

2005 – Jan 2008

Quantel Ltd., Newbury (vacation periods) – www.quantel.com. A leading manufacturer of innovative video production systems used throughout the Broadcast TV and Movie industry worldwide.

Product Verification and Support Engineer.

2007 Summer vacation (total duration 4 months) - Key member of the Automated testing team. Designing and creating Python scripts for the purposes of autonomous testing, to be run out of hours. Responsible for the creation of a MySQL database PHP front end. to capture results of automation tests. This is now in continuous use to track progress of tests and provide statistical feedback to management.

2006 Summer vacation (total duration 4 months) - Comprehensive testing of software suite before major software release. Identifying and characterising bugs and issues and reporting to System Architects and Development Engineers.

2005 Summer vacation (total duration 2.5 months) - Testing of software prior to release for major customers, confirming bugs from customers and identifying issues, prior to referring to R&D for fixing.

References :-

[David Lane – Director of Development, Quantel Ltd. - 2006](#)

Contact Details :-

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