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Objective

I am interested in projects that not only make use of previous experience, but also expose me to new technologies. Position does not need to be full-time as I have both volunteer and other small paid projects.

Introduction

I have been doing system administration work since I was still at University in the early 1990's, with my first Linux sysadmin contract in 1994. I was a LAN administrator in the late 1990's with file/print servers running Samba connected to MS Windows desktops, but headed into the cloud and to almost exclusively Free/Libre and Open Source Software (FLOSS) in the 2000's. Work during the early 2000's focused on administering over SSH computers located at various ISPs. Recent projects have included web-mapping.

Keywords

LAMP (Linux/Unix, Apache, MySQL/PostgreSQL, P is primarily PHP and PERL), Drupal, Joomla, phpList, Sendmail/Cyrus-IMAPD, Bind, OpenLDAP, OpenSSH, Xen, IBM eServer, RedHat Enterprise Linux (RHEL), Fedora Core, Ubuntu, Unix/Linux/Posix, OSGeo (Mapserver, Tilecache, OpenLayers)

Security Clearance

Secret (Level II); File number: 95353364-0001002543; Expiry date: 5 August, 2020

Recent project related work

2008 – 2010

System Administrator

Agriculture Canada

Working as part of Corporate Applications Infrastructure Support, I worked as part of the [AgriGeomatics](#) team doing configuration management. As part of this work I deployed applications authored by the department onto servers managed by IT Infrastructure services. I diagnosed issues, including making patches to, and submitting to, Open Source Geospatial projects such as Mapserver and Tilecache.

FLOSS technologies involved in project: [OSGeo](#) stack of software (Mapserver, OpenLayers, GDAL/OGR), TileCache, ExtJS, Proj4JS, JavaScript, Java, Tomcat, Apache, CentOS (DeskTop), Redhat Enterprise Linux (servers)

non-FLOSS (or mixed source) technologies used in project: ESRI (ArcGIS desktop and server, ArcSDE and ArcSDE's SDK), Citrix remote access, VMWare, Microsoft Office and Outlook, Oracle (OAS, OEM, database)

2005 – 2009 **System Administrator** <http://www.sierraclub.ca>
2005 – 2009 **System Administrator** <http://makepovertyhistory.ca>
2007 – 2009 **System Administrator** <http://www.nobelwomensinitiative.org>
Manage Linux, Apache, MySQL, PHP/Perl (LAMP) stack for 3 different machines co-located at Magma communications. All clients use Drupal CMS systems, some phpList for delivering messages to supporters. Authoring Drupal models and custom perl scripting part of work.

2005 **System Administrator** PWGSC
Configuring IBM OpenPower Systems 720 using both Hardware Management Console as well as command-line control via shell connection to Solaris based management server. These machines ran multiple virtualized instances of Novel supported SuSE Linux running various web applications. Project currently called [Intellectual Resources Canada](#) (IRCan), and I am in touch with project manager through GOSLING (see below).

2002 - 2006 **Internet Service Provider** <http://www.cooperix.net>
I co-managed a small ISP with Sandelman Software Works which offered co-location services to people who wanted to own their own hardware. We managed the network for a few shelves worth of computers, BGP routed to our facility from multiple service providers.

2000 - Present **System Administration** <http://openconcept.ca>
Long term relationship with OpenConcept consulting, starting in 2000 where I hosted their clients on hardware I owned, through 2002 - 2006 when I was the sysadmin for their computers located at our colo ISP, until present where I remotely manage their computers. Current setup is multiple physical computers running Xen virtualization of a combination of Fedora Core and Debian instances. Customers primarily running PHP based applications.

Related volunteer work

2006 - Present **Policy coordinator**
CLUE: Canada's Association for Free/Libre and Open Source Software <http://cluecan.ca/policy>

2002 - Present **Co-coordinator**
Getting Open Source Logic INto Governments (GOSLING) <http://goslingcommunity.org>

2001 - present **Coordinator/Host**
Digital Copyright Canada <http://digitalcopyright.ca>

1995 - Present **Community Networking**
Hosted websites for community organizations on servers running as part of my home network. Currently a series of virtual servers under Xen.

References

References can be made available upon request

More details

I provide more details online at <http://flora.ca> , including on a more complete list of technology related experience at <http://www.flora.ca/experience.shtml>