

Alex Chekholko

(347) 401-4860 • alex@uofr.net • 814 S 48th St • Philadelphia, PA 19143

Objective

Information Systems / Infrastructure position

Experienced systems administrator seeks to enable people to use technology more effectively with a focus on high performance computing and large-scale storage.

Experience

University of Pennsylvania

Philadelphia, PA

Senior Systems Administrator, Penn Genome Frontiers Institute

Jan 2008 - Present

- Manage an HPC facility, total ~1k compute cores, ~0.3PB of storage.
- Installed, configured and maintain Linux HPC cluster based on IBM's General Parallel File System and Sun Grid Engine.
- Use Puppet to automate deployment and configuration of machines.
- Provide end-user support for running jobs on the cluster, e.g. parallelizing R scripts.

Systems Administrator, Penn Center for Bioinformatics

Sept 2006 - Jan 2008

- Coordinated computing services with other Centers in the School of Medicine.
- Managed centralized storage with NFS and LDAP.
- Maintained file/print/web/mail Linux servers (RHEL, Sendmail, NFS, Samba, Apache), configured network equipment (VLANs, IPSec) and Linux/Mac/Windows workstations.
- Assisted with maintenance of an HPC cluster (~300 CPUs, Torque, GFS).

Penguin Computing

San Francisco, CA

Linux HPC Consultant

Feb 2010 - Present

- Consult on Linux HPC and storage projects for clients with genomics/bioinformatics workloads, typically for high throughput sequencing instruments.

RimuHosting

New Zealand

Remote Linux System Administrator

Jun 2007 - Jun 2010

- All things Linux and web: DNS, mail, Apache, NGINX, Tomcat, RoR, Django, etc.

University of Rochester

Rochester, NY

Computer Consultant, Department of Neurobiology and Anatomy

May 2004 - May 2006

- Served as the support professional for all faculty, students, and staff in the department and as liaison to the Medical Center IT group.

Computer Consultant, Ultrasound Research Lab

September 2005 - May 2006

- Maintained Windows 2000 domain controller (AD, DNS, DHCP, file/print), Linux file server (RAID, Samba) and Windows and Linux workstations and printers.

Lead Computer Consultant, Simon Business School

September 2001 - August 2004

- Installed, configured and maintained a help desk issue-tracking application and manned the help desk.

Flavor Software Inc.

New York, NY

Systems Administrator

October 2000 - July 2001

- Installed, configured and maintained Linux server (Apache/ProFTP/MySQL/Bugzilla on Red Hat Linux 7) and Windows workstations.

Education

University of Rochester

Rochester, NY

M.S. Electrical and Computer Engineering

May 2006

- Completed Masters thesis on image processing, segmentation and visualization using the Insight (ITK) and Visualization (VTK) Toolkits with C++ and Tcl/Tk on Linux.

B.S. Electrical and Computer Engineering, with Minor in Mathematics

May 2005

Stuyvesant High School

New York, NY

June 2001