# Objective

Seeking a position as an infrastructure architect or senior systems administrator in a challenging environment that utilizes my extensive experience gained working in the movie industry, IT outsourcing and software development.

# Experience

## DreamWorks Animation - Technical Lead, Enterprise Systems and Services 2010 – Jun 2012

* Collaborated with the Network Operations team to deliver LDAP and DNS services via Anycast at the enterprise level.
* Designed and implemented a highly available Shibboleth based SAML SSO infrastructure for the enterprise.
* Designed and implemented a unified Cryus IMAP Murder with multiple load balanced, site localized frontend and backend servers.
* Designed and implemented a high capacity eight node Sendmail mail transport infrastructure using the sendmailMTA LDAP schema to route over 170,000 deliverable addresses in twelve domains with an average daily volume of 500,000 messages.
* Integrated Altiris Deployment Server with our existing Linux based DHCP and PXE service.
* Developed utilities to integrate Altiris Deployment Server with our internal asset management system.
* Deployed Altiris Deployment Server 6.9 to manage Windows 7 systems imaging.
* Provided mentoring and technical guidance to senior systems administrators in the Enterprise Systems and Services group.

## DreamWorks Animation - Systems Architect 2006 - 2010

* Led a team of seven senior systems administrators responsible for all e-mail, messaging and name services across all divisions of the company.
* Architected the Windows 2003 domain; managed the implementation and green field migration from several existing Windows 2000 and NT domains.
* Designed the Exchange 2007 organization; managed the implementation and subsequent migration from several legacy Exchange 2000 organizations.
* Worked with other Systems Architects to design, develop and build out remote rendering facilities and satellite studios in the US and abroad.
* Worked with other Systems Architects and Technical Leads to scale storage, networking, name services and other infrastructure to meet the increasing demands of the rendering software and compute services.
* Directly responsible for maintaining the DNS, DHCP, LDAP and mail routing infrastructure.
* Performed systems integration, systems programming and created tools for various Systems Engineering groups.
* Assisted and mentored R&D developers with low-level systems programming, network socket programming, and high-level systems integration issues projects.

## DreamWorks Animation – Senior Unix Systems Administrator and Systems Programmer 2001 - 2006

* Worked within a team of senior systems administrators to architect, maintain and grow the feature animation technology infrastructure from 1500 Linux and Windows systems to over 7000, from 300 terabytes to 1 petabyte Network Appliance storage and from 300 users to 1800.
* Primary role in the senior systems administration team as the UNIX generalist, systems programmer and toolsmith.
* Contributed code and mentored programmers in the R&D department on software projects requiring low-level systems and network programming expertise.
* Responsible for all name and e-mail services including DNS, DHCP, NTP, LDAP, IMAP and SMTP MTAs for the feature animation studio.
* Developed and maintained a suite of Perl based provisioning utilities to manage user accounts, DNS, DHCP, mail routing and systems configuration management.
* Planned and executed migration from existing NIS name service to LDAP name service for all Irix and Linux systems using the RFC 2307 schema.
* Developed the netgroup resolver for nss\_ldap.

## Tek Systems – Senior Unix Systems Administrator at Lexmark International, Inc. 1998 - 2001

* Developed the Downloadable Emulator subsystem for new printer architecture. Assisted partners with migration of their existing emulators to both the new subsystem and printer architecture.
* Developed flash file system packaging utility for new architecture printers.
* Performed an in-place upgrade from Solaris 2.5.1 to Solaris 8 on approximately 180 nodes.
* Developed a systems administration tool similar to AIX’s dsh for use in a NIS environment.
* Designed and implemented a system by which users are presented with a homogenous tool set in a heterogeneous environment.
* Developed and maintained tools and utilities for source code library and build systems.
* Worked in a team of systems administrators responsible for Lexmark’s laser printer development department managing approximately 200 SunOS, Solaris and RedHat Linux nodes in 2 NIS domains.
* Administration of Network Appliance filers and Cisco networking equipment.

## Aerotek Data Services –Unix Systems Administrator at IBM Global Services 1997 - 1998

* Systems administrator on an 80-node IBM Scalable POWER/2 supercomputer and RS/6000 servers using AIX 4.x and PSSP 2.x.
* Responsible for planning and executing system upgrades.
* Performed on-call duty for high visibility external customer.

## Analysts International Corporation – Associate Programmer at Lexmark International, Inc. 1995 - 1998

* Performed printer firmware verification.
* Developed printer test tools and automated printer test systems.
* Unix systems administration and OS/2 Lan Server administration.

## CustomWare Incorporated – Software Developer 1998 - 2001

* Customization of Open Systems Accounting Software.
* Client consulting and technical support for Open Systems Accounting Software and Harmony Accounting Software.

# Education

## University of Kentucky 1989 - 1993

Computer Science and Electrical Engineering

# Publications

**The Eleventh Systems Administration Conference (LISA ’97)**

*A Web Based Backup/Restore System for Intel Based PC’s*

Tyler Barnett, Lexmark International; Kyle McPeek, Aerotek Inc., on behalf of Lexmark International; Larry S. Lile, Aerotek Inc.; Ray Hyatt, Jr., Aerotek Inc.

<http://www.usenix.org/publications/library/proceedings/lisa97/10.barnett.html>

# Contributions

**Led**

Developed an open source LDAP editor for systems administrators designed to ease migration from NIS name service to RFC 2307 based LDAP name service.

<http://www.sourceforge.net/projects/led>

**NSS LDAP**

Contributed the netgroup resolver for nss\_ldap, copyright assigned to PADL Software Pty Ltd.

**tcpdump**

Contributed the token ring network decoder.

**FreeBSD Project**

Contributed ISO 802.5 network layer implementation and accompanying Olicom Token-Ring adapter driver.

# Technical Skills

Operating Systems: Red Hat Enterprise Linux 4.x, 5.x and 6.x, FreeBSD, Solaris 2.x, AIX 4.x and 5.x, Irix

Networking: TCP/IP, UDP, TCP, ICMP, Anycast

Network Services: DNS (Bind 4.x, 8.x and 9.x), LDAP, IMAP (Cyrus 2.x including IMAP aggregation), Sendmail, 8.x, Kerberos, SAML, DHCP (ISC 2.x, 3.x, and4.x), PXE, Radius, NTP, NIS

Identity Management: Sun Directory Server Enterprise Edition 5.x and 6.x

Programming and Scripting Languages: C/C++, Perl, SQL, bash, sed, awk, make