

## LJ Laubenheimer

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### SUMMARY

Specialist in Linux systems with multi-colo and cloud operations experience. Desire a position solving problems, learning and implementing new technologies, sharing knowledge, and working closely with a dynamic team. Curious and happy to learn, offer a broad variety of experience and talents, including the ability to develop new skills rapidly.

- *Operating Systems:* Linux (RedHat Enterprise, Debian), UNIX (Solaris)
- *Languages:* Bash Shell, Perl, Ruby
- *Tools:* Git, SVN, Perforce, Nagios/Icinga, RPM, Kickstart, OpenLDAP, BIND, Chef, SaltStack, Puppet, Postfix, MySQL, VMWare, Rsyslog, Kanban, Scrum

### EXPERIENCE

**DevOps Engineer**, Bellese Technologies, Owings Mills, MD, October 2021 – March 2022

Write and edit Jenkins pipeline scripts and libraries in Groovy, incorporating Docker, Maven and GitHub actions. Modify Terraform files, update documentation.

**Software Developer**, Stanford University, Palo Alto/Redwood City, November 2015 - September 2020

Develop/support a variety of core Linux services, primarily LDAP as well as Kerberos and in-house apps.

- Subject matter expert on LDAP. Architected and was implementing the transition to multimaster LDAP, part of putting LDAP into the cloud.
- Use Puppet to drive reproducibility of services from dev through production.
- Scripting and documentation are part of this DevOps oriented position - I develop it, I operate it.
- Part of migrating key services from primarily on-campus hosted VMware to AWS and/or GCP with Terraform, Docker and Kubernetes (GKE).
- Provide sysadmin and Nagios expertise to other groups.

**Software Engineer**, Gap, Pleasanton, CA, contract (Intelliswift), January 2015 - November 2015

Monitoring. Set up monitoring in Nagios via Chef (roles, nodes, data bags) in JSON. Write custom monitoring plugins as needed. Troubleshoot issues with Nagios and Gearman.

**Software Engineer**, Intuit, Menlo Park, CA, contract (Cydio), January 2014 - December 2014

Monitoring! Upgrade and clean up monitoring and alerting with Nagios, upgrade to Icinga with Pnp4Nagios graphing. Configure systems with Puppet and/or SaltStack. Write templates to autogenerate host configurations for Icinga. Implement monitoring with Icinga in AWS, including regenerating configurations as the system autoscales. Write or update documentation and cross-train operations engineers.

**Service Engineer**, Yahoo! Sunnyvale, CA, August 2011 - December 2013

Operations duties, including routine and emergency deployments, troubleshoot site up issues.

Participate in on-call rotation, develop shell and perl scripts for operational tests, deployments and fixes. Document deployment processes, write oncall runbooks, train other SEs, create knowledge base entries. Act as an operations subject matter expert on a couple different application stacks.

**Senior Systems Administrator**, Aggregate Knowledge, San Mateo, CA, January 2011 - June 2011  
Configured packages, wrote monitoring scripts, build in-house RPMs, took part in 24/7 on-call rotation, and wrote or revised in-house documentation.

**Service Engineer**, Yahoo! Sunnyvale, CA, contract (ITC), October 2010 - January 2011  
Linux/BSD support and maintenance.

**Systems Engineer**, A9.com, Palo Alto, CA, December 2004 - April 2009  
Monitored, maintained or upgraded internal Linux infrastructure and user tools as well as taking part in the 24/7 on-call rotation.

- Successfully implemented PingTel SIPXchange VoIP phone system for Linux.
- Evaluated hardware needs, costs, and purchase history.
- Improved monitoring with Nagios and custom plugins.
- Set up and refine kickstarts for new RedHat releases.
- Acted as a technical resource for developers on hardware and Linux OS issues.
- Developed and documented disaster recovery plan.
- Mentored and trained junior systems administrators.

## **ADDITIONAL ACCOMPLISHMENTS AND INTERESTS**

Community service as a recreation:

- Chairman of SiliCon 2008, co-chair 2009, for non-profit Siliconventions, Ltd. There were about 11 department heads and approximately 40 staff at the event.
- Worked staff and department head positions for various Science Fiction conventions for over a decade.

A habit of lifelong learning:

- Previous years: Debian, NetBSD, Oracle SQL, RPM development, kickstart, embedded Linux, DNS, DHCP, Bugzilla, Nagios, VMWare
- 2011 saw the update of RPM build skills and exploration of rsyslog
- 2012 and 2013 were spent learning several of Yahoo's proprietary technologies
- 2014 I learned config management with SaltStack, and working with AWS
- Learned a bit of Chef in 2015
- In 2016 - 2020 I became an SME in openLDAP, plus learned Puppet, Kerberos and GKE
- 2021 learned Groovy as the Jenkins DSL

**Classes:** Unix Administration, Oracle 9i SQL, Oracle 9i DBA Fundamentals, VMWare ESX Server, misc AWS operations

Immigration Status: US Citizen, sponsorship or visa not required for US positions.