

LEIF HUHN

Chicago, IL 60660
leif.n.huhn@gmail.com
(415) 583-5685

PROFESSIONAL SUMMARY

Site-reliability engineer with over 18 years of experience in a wide variety of technologies and platforms. Particular strengths in maintaining large Elasticsearch and HBase/Hadoop clusters as well as fault tolerant virtual networking.

PROFESSIONAL EXPERIENCE

CenturyLink Cloud

Senior Lead Software Developer

2015 – Present

Bellevue, WA and St. Louis, MO

- Managed cloud services in both AWS and CenturyLink cloud.
- Used SaltStack to manage Linux, Hadoop, HBase, Zookeeper, Kafka, and Elastic Search.
- Deployed Master-Master replication in order to perform blue-green upgrade deployment of critical database infrastructure.
- Deployed Consul in multi-datacenter mesh in order to support application failover.
- Used Bash and Go scripting for various system administration purposes.
- Created a virtual firewall product for CenturyLink's cloud using NSX Edge firewalling.
- Migrated features from a monolithic control portal to microservices running on Kubernetes.

Riverbed Technology

Team Lead

2010 – 2015

San Francisco, CA

- Mentored junior coders.
- Oversaw maintenance of critical pieces of our testing infrastructure.
- Conceived of, collaboratively designed, and oversaw development of an automated program “Rack-and-Roll,” greatly simplifying the process of adding new hardware into the lab.
- Created system to power down unused testing machines, saving power, cooling, and money.
- Automated VMWare vCenter to automate the installation and testing of VMs.
- Troubleshooted various DHCP, TFTP, and PXE networking problems using Cisco, Force10 hardware.
- Troubleshooted problems with internal appliance manufacturing, including bugs in the unreleased product, bugs in the build system, hardware problems, user error, networking problems, service outages, etc.
- Used puppet to automate system administration tasks.
- Refactored testing codebase for greater maintainability.
- Made OO design decisions for future direction of testing codebase.

Drogin, Kakigi & Associates

System Administrator

2003 – 2010

Berkeley, CA

- Installed, maintained, and updated Linux and Windows servers providing critical infrastructure (mail, web, dns, nfs, mysql, iptables, RAID, LVM, and ssh).
- Reduced our server footprint by 60% by migrating applications from legacy versions of BSD and SunOS to Linux, thereby saving on licensing costs.

- Managed remote servers for multiple law firms. Worked with system administrators from client companies to resolve networking problems.
- Transitioned our systems to 64-bit to allow processing of larger datasets.
- Evaluated server workloads and made purchasing decisions.
- Hired and oversaw contractors to upgrade data and phone wiring.
- Used Nagios to provide 24/7/365 monitoring of critical services.
- Responsible for migrating data obtained through legal discovery into our systems (i.e. from Oracle, PostgreSQL, etc).
- Automated backup processes.

Drogin, Kakigi & Associates
Web Developer

2001 – 2003
Berkeley, CA

- Developed Model-View-Controller web framework with a MySQL backend tailored for the specific needs of the company.
- Created websites to allow hundreds of paralegals from around the country to work together to interview thousands of plaintiffs in large class action lawsuits.
- Oversaw and trained junior web developers.
- Wrote Perl programs to process data in legacy formats.

**Florida Fish and Wildlife Conservation
 Commission**
Web Developer

1999 – 2000
Tallahassee, FL

- Developed data aware client side web applications.
- Increased productivity through the creation of a system for dynamically tracking bird migration patterns thereby freeing an analyst from writing weekly reports.
- Managed IIS web servers.

TECHNICAL SKILLS

- | | |
|---------------------------------------------------|---------------------------------------------------|
| · Perl, Python, C/C++, Java, Go. | · RAID, LVM, NFS |
| · XML, HTML, SQL, CGI | · tcpdump, wireshark |
| · NoSQL databases, Hadoop, HBase, Zookeeper, | · Unix Scripting: bash, tcsh, expect |
| Kafka, Consul, Couchbase | · Windows Deployment, Hyper-V, cygwin, Powershell |
| · RabbitMQ, Redis | · OS X |
| · Apache, IIS | · VMWare ESX, VMWare NSX, vCenter, AWS, |
| · MySQL, Oracle, PostgreSQL, SQL Server | Docker, Kubernetes, KVM |
| · Cisco IOS, Force10 FTOS | · L ^A T _E X |
| · Puppet, Salt, Linux, BSD, Solaris | |
| · Sendmail, DNS | |
| · Icinga, Nagios, Snort, Kibana, Graphite, Carbon | |

EDUCATION & HOBBIES

- University of California, Berkeley, CA
 Bachelors Degree in Physics
- Florida State University, Tallahassee, FL
 Completed University Honors Program. GPA: 3.9
- Conversational in American Sign Language, some knowledge of Spanish, French, and Japanese