

# LEIF HUHN

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## PROFESSIONAL SUMMARY

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Site-reliability engineer with over 18 years of experience in a wide variety of technologies and platforms. Particular strengths in managing large Elasticsearch, HBase/Hadoop, and customer facing web apps in AWS and other clouds. Strong programming skills and experience with large codebases.

## PROFESSIONAL EXPERIENCE

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### CenturyLink Cloud

*Senior Lead Software Developer*

2015 – Present

*REMOTE 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.
- Troubleshoot various DHCP, TFTP, and PXE networking problems using Cisco, Force10 hardware.
- Troubleshoot 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

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|--|---|
| · Perl, Python, C/C++, Java, Go.               | · RAID, LVM, NFS                                  |
| · XML, HTML, SQL                               | · tcpdump, wireshark                              |
| · NoSQL databases, Hadoop, HBase, Zookeeper,   | · Unix Scripting: bash, 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 <sup>A</sup> T <sub>E</sub> X                 |
| · Puppet, Salt, Ansible, Linux, BSD            |   |
| · Sendmail, DNS                                |   |
| · Icinga, Nagios, Kibana, Graphite, Prometheus |   |

## EDUCATION & HOBBIES

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- 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