LEIF HUHN

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PROFESSIONAL SUMMARY

Site-reliability engineer with over 19 years of experience in a wide variety of technologies and platforms. Strengths in managing Elasticsearch, HBase/Hadoop, and customer facing web apps in Kubernetes, AWS EC2, and other clouds. Strong programming skills and experience with large codebases.

PROFESSIONAL EXPERIENCE

CenturyLink Cloud
Senior Lead Software Developer

2015 – 2019
REMOTE Bellevue, WA / 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.
· Troubleshot various DHCP, TFTP, and PXE networking problems using Cisco, Force10 hardware.
· Troubleshot 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, PostreSQL, etc).
- Automated backup processes.

Drogin, Kakigi & Associates 2001 – 2003
Web Developer *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 1999 – 2000
Web Developer *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.
- XML, HTML, SQL
- NoSQL databases, Hadoop, HBase, Zookeeper, Kafka, Consul, Couchbase
- RabbitMQ, Redis
- Apache, IIS
- MySQL, Oracle, PostgreSQL, SQL Server
- Cisco IOS, Force10 FTOS
- Puppet, Salt, Ansible, Linux, BSD
- Sendmail, DNS
- Icinga, Nagios, Kibana, Graphite, Prometheus

- RAID, LVM, NFS
- tcpdump, wireshark
- Unix Scripting: bash, expect
- Windows Deployment, Hyper-V, cygwin, Powershell
- OS X
- VMWare ESX, VMWare NSX, vCenter, AWS, Docker, Kubernetes, KVM
- LaTeX

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