

James C. Kling

Linux/UNIX Engineer

US Army Veteran

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Major Skill Set

Linux Engineering – 20+ Years

Suse, Red Hat & derivatives, Ubuntu / Debian
Bash/ksh/sh scripting

Virtualization – 10+ years

VB, Qemu, KVM

IaaS, Distributed Computing, HPC – 10+ years

Openstack, VMWare, OpenHPC on Openstack

Build and Provisioning

Spacewalk and Satellite, Kiwi, Bamboo
Git and Mercurial, Gerrit and Jenkins CI/CD

Automation

Puppet, Chef, Ansible

Other Toolsets

Atlassian Suite (Full stack)
RHEL Clustering and Veritas Foundation Suite
LaTeX Documentation and scripting

Secondary Skill Set

Database/Big Data

MySQL, Sybase, Oracle, Hadoop, Teradata

Middleware

Supported JBoss, Tomcat, Websphere

Storage

Gluster, Ceph and Swift in Openstack
LVM, Veritas, EMC, XIV, 3Par, EQLX

2017 -2018 **Boeing Corporation / HPE** **Bellevue, WA**
HPE Helion / Openstack Consultant

- 6 month contract with Boeing via HPE
- Deployed new Helion Openstack environments, from Dev to Test to Prod
- Developed tools and packaging for internal deployment
- Required creative solutions to custom requirements with limited toolsets

2017 **Intel Corporation** **Hillsboro, OR**
Openstack / OpenHPC Consultant

- OpenHPC on Openstack –Virtualized HPC clusters with Ironic
- LaTeX documentation and generating scripting from documentation
- Submitted project for inclusion in official OpenHPC project
- Three month contract, project finished

2016-2017 **Sharp Labs** **Camas, WA**
Software Engineer

- Atlassian Suite support, Jira, Confluence, Stash/BitBucket, Crowd, whole suite
- Built Spacewalk and Openstack test environment from ground up
- Supported Condor video processing clusters of ~300 nodes
- Linux (Red Hat 6/7 and Suse), MacOS, and hardware support
- Sharp Labs ceased SLA operations mid-2017

2015-2016 **Cisco Systems** **Cary, NC**
Openstack Engineer

- Supporting Openstack in multiple, multipurpose, global datacenters
- Nested (multilayer) Openstack setup – Service clouds and Tenant Clouds
- Maintained code for Ansible and Puppet deployment and automation scripts
- Openstack products – Nova, Neutron, Ceph, Swift, Horizon, Ceilometer, MongoDB, Percona
- Linux and hardware support
- Originally six month Contract with GDH, extended to one year

2013-2015	Teradata	Cary, NC
DevOps Engineer / Linux Team Lead – <i>Infrastructure, automation and provisioning</i>		
<ul style="list-style-type: none">- Automated installations and updates of operating systems and company software- Developed Openstack infrastructure environments- Supported products using Cloudera and HortonWorks Hadoop services- Supported Teradata Database services- Subject Matter Expert of Linux, Hadoop, Cloud Computing, and Teradata's RTIM product- Automation with Puppet and Ansible		
2012-2013	Credit Suisse	RTP, NC
Senior Linux Engineer - <i>Operating system design and implementation, code and patch distribution, and provisioning</i>		
<ul style="list-style-type: none">- Engineering Linux and Solaris Builds based on Solaris 10, RHEL 5/6, and legacy SUSE systems- Developed provisioning via Spacewalk/Satellite and using Puppet for config management- Security- DMZ builds and hardening- developed systems to be used in Switzerland for the bank- Worked with Red Hat vendors for Satellite support and code management- Developed virtualized leasing system for short term virtualized servers for rapid deploy- Maintained Dev, QA, and Production builds- Implemented package key signing system to prevent deployments of Dev/QA code in Prod		
2011-2012	Peopleclick-Authoria/Peoplefluent	Raleigh, NC
Lead Linux Engineer - <i>Operating system design and implementation, as well as environment wide code and patch distribution.</i>		
<ul style="list-style-type: none">- Server management, CentOS, Oracle, Suse, Redhat- Puppet, Chef, CFEngine scripting		
2008-2011	Fidelity Investments	RTP, NC
Senior Linux Engineer – <i>Distributed Computing / PaaS / IaaS</i>		
<ul style="list-style-type: none">- Engineering for 50% physical/50% Virtual 15,000 node datacenters- Hadoop clustering (Big Data / HPC) and Native Linux Clustering- Developed multi-use Linux Desktop port for VNC export to provide native Linux tools		

Military Service:

1995-1998	US Army: XVIII Airborne Corps	Fort Bragg, NC
3/229 th AVN - AH-64A(Apache) Helicopter Crew Chief - Honorable Discharge		

Education:

1995-1996	DOD /TRADOC US Army Logistics School	Fort Eustis, VA
Graduate in Logistics and Aviation Program		
1998-1999	Purdue University	West Lafayette, IN
Undeclared Engineering (single year post military service)		
2002-2006	North Carolina State University	Raleigh, NC
Double major in Political Science and Computer Science		