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| James C. Kling | Linux/UNIX Engineer  US Army Veteran | 2515 W. 10th St  Washougal, WA 98671  (919)789-1604 Cell  <http://liniks.com/?page_id=152> | [jkling@klingsweb.com](mailto:jkling@klingsweb.com#_blank)  Profile available on  linkedin.com |

*Mission Statement: I am seeking a company that is dedicated to safe, secure and efficient use of computing technology. I specifically am looking to work for a company that values the cost savings and security in using Linux and Open Source software.*

Major Skill Set

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| **Linux – 20 Years** | |  | | --- | | **Spacewalk/Satellite** | | **Automation** | | **Provisioning** | | **Bash/ksh/shell scripting** | | **SQL and NoSQL DBs** | | **Atlassian Suite** | | **HPC and HA Clusters**  **- Hadoop, RHEL Cluster, Veritas Foundation Suite** | | **IaaS / PaaS** | **Roles:** |
| -Redhat and derivatives, SUSE, Ubuntu, Debian, etc.  Clustering | - Monitoring and Metering,  Ceilometer, multiple SQL and NoSQL database infrastructure | |  | | --- | | Administrator | | Engineer | | Test Engineer | | Cloud Computing | | Distributed Computing | | Standalone Servers | | Subject Matter Expert | | Server Security | | Team Lead | |
| **IaaS, Distributed**  **Computing – 10 Years** | **Storage** |
| - Openstack, AWS  VMWare4/5+, LibVirt ,  VirtualBox, QEMU  -Virtualization Automation with Puppet and Ansible | -Gluster, Ceph and Swift in Openstack, standalone filers  with LVM, Veritas, EMC, XIV, 3Par |
| **Solaris – 5 Years** | **Networking** (TCP/IP) |
| **AIX/HPUX – 2 Years** | **Database** |
| **Macintosh – 2 Years** | -Sybase, Oracle, MySQL |
| -OS9 and OSX | **Middleware** |
|  | -Clearcase, Websphere, JBoss, Tomcat |

Other skills: scripting, resource management, Office Suites (MS, Star, OpenOffice, Lotus), Apache, Webservers, Fileservers, Samba, NFS, NIS, LDAP, AD, Automation, graphics programs, web development and integration, SSH, VNC, FTP, Netware, VPN, SAN, NAS, RPM, DEB et. al.

**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, MacOS, and hardware support.

Sharp Labs shutting down lab operations, effective Mar 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 scripts

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 *– Infrastructure, automation and provisioning*

Automated installations and updates of operating systems and company software.

Developed Openstack infrastructure environments.

Subject Matter Expert of Linux, Hadoop, Cloud Computing, and Teradata's RTIM product.

**2012–2013 Credit Suisse RTP, NC**

Senior Linux Engineer *- Operating system design and implementation, code and patch distribution, and provisioning*

Engineering Linux and Solaris Builds based on Solaris 10, RHEL 5 and 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.

**2011–2012 Peopleclick-Authoria/Peoplefluent Raleigh, NC**

Lead Linux Engineer *- Operating system design and implementation, as well as environment wide code and patch distribution.*

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**2008–2011 Fidelity Investments RTP, NC**

Senior Linux Engineer *– Distributed Computing / PaaS / IaaS*

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

**2002-2008 Contracting RTP, NC**

Systems Analyst/Engineer

Short term contracts with IBM, Sprint, ARC, TekSystems, and Lenovo International

**2000 – 2001 Nortel Networks RTP, NC**

Software Tech Support Engineer – *First level support for cross platform monitoring suite.*

Supported multiple products for managing network communication, including PresideAP and

DFMS / CSA (Later combined with Optivity).

**Military Service:**

**1995-1998 US Army: 3/229th AVN Ft. Bragg, NC**

AH-64A(Apache) Helicopter Crew Chief - Honorable Discharge.

**Education:**

**1998-1999 Purdue University West Lafayette, IN**

Undeclared Engineering, 3 semesters, post military service

**2002-2006 North Carolina State University Raleigh, NC**

Double major in Political Science and Computer Science