|  |  |  |  |
| --- | --- | --- | --- |
| James C. Kling | Linux/UNIX EngineerUS Army Veteran | 2515 W. 10th StWashougal, WA 98671(919)789-1604 Cell<http://www.liniks.com/?page_id=152> | jkling@liniks.comProfile available on linkedin.com |

Major Skill Set

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Linux – 20 Years** | **Atlassian suite**

|  |
| --- |
| **Spacewalk/Satellite** |
| **Automation**Ansible, Puppet, CHEF, CFEngine |
| **Provisioning** |
| **Bash/ksh/shell scripting** |
| **Big Data**Hadoop, Cloudera, HortonWorks, Teradata |
| **HPC and HA Clusters**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** | **Networking** (TCP/IP) |
| - Openstack, AWSVMWare4/5+, LibVirt VirtualBox, QEMU | **Storage** |
| -Virtualization Automationwith Puppet and Ansible | -Gluster, Ceph and Swift in Openstack, standalone filers with LVM, Veritas, EMC, XIV, 3Par |
| **Solaris – 5 Years** | **Database** |
| **AIX/HPUX – 2 Years** |  -Sybase, Oracle, MySQL |
| **Macintosh – 5 Years** | **Middleware** |
| -OS9 and OSX | -Clearcase, Websphere, JBoss, Tomcat |

**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 layoff package offered for Feb.1 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 *– Infrastructure, automation and provisioning*

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

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

- Server management, CentOS, Oracle, Suse, Redhat

 - Puppet, Chef, CFEngine scripting

**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

**Military Service:**

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

 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 Programs

 **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