James C. Kling

Linux/UNIX Engineer
Network/InfoSec Lead
US Army Veteran

Indianapolis, IN
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(919)789-1604 Cell

Major Skill Set

Linux Engineering – 25+ Years
Suse, Red Hat & derivatives, Ubuntu / Debian
Bash/ksh/sh scripting, automation

Virtualization – 20+ years
VB, Qemu, KVM, OpenStack, VMWare, Containers

IaaS, Distributed Computing, HPC – 20+ years
Openstack,VMWare, OpenHPC on Openstack
Kubernetes, Docker, EKS, AWS

Network Engineering
Cisco, Cumulus, Dell/Force10 OS,
Juniper, Nortel, Neutron/Quantum, Monitoring

InfoSec
Patch planning, build hardening, vulnerability scanning, threat mitigation and response

Other Toolsets
Atlassian Suite (Full stack)
CM - Puppet, Chef, Ansible
LaTeX Documentation and scripting

Historical Skill Set

Database/Big Data
MySQL, Sybase, Oracle, Hadoop, Teradata

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

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

2021 - 2026 NASA Goddard Space Flight Center Greenbelt, MD

2022-2026 : Network Team Lead // 2021-2023 : Principal Security Engineer

- Supported missions for satellites, imagery, and the Artemis lunar launches
- Network engineering and management for layer 2 and 3 for the NASA (NCCS) supercomputer team
- Neutron networking SDN, and evaluating next gen SDN options for legacy hardware
- Designed and implemented new networking architecture for NCCS infrastructure, including DNS, DHCP, PXE environments
- Worked with NASA CSI, CISTO, NIST and other federal agencies for policy and best practices
- Vulnerability scanning and mitigation, CVE evaluation, patch planning and implementation
- Security engineering, InfoSec, ISSO for NASA, plus Change Approval Board reviews
- Major security projects included data-at-rest and data-in-transit encryption rollouts, zero trust implementations, Post Quantum Cryptography, and 100Gb firewall infrastructure.
- Worked with NASA CSI, CISTO and multiple federal agencies for policy and best practices

2018 - 2021 Smarsh Portland, OR

Senior Operations Engineer, Senior SRE Systems Engineer

- SME for Linux and OpenStack, supported VMWare
- Implemented patching and hardening cycles for all Linux environments.
- SOCv2 audit and ISO 27001 re-cert
- Infosec liaison for Linux in vulnerabilities management
- Processed STIGs and CVE data for policies, enforcement, and internal audit

2018 Amazon / AWS Elemental Portland, OR

Senior Systems Manager – (6mo temp contract as a fill in for existing manager's paternity leave.)

- Linux operating systems SRE
- AWS and on-prem, and CoLo datacenter support

2017 -2018 Boeing Corporation / HPE Bellevue, WA

HPE Helion / OpenStack Consultant

- 6 month contract with Boeing via HPE to deploy Openstack for engineering teams
- 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 (supercomputer) 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 of America. Camas, WA

Software Engineer

- Atlassian Suite support, Jira, Confluence, Stash/BitBucket, Crowd, whole suite
- Built Spacewalk and Openstack test environment from ground up
- Linux (Red Hat 6/7 and Suse), MacOS, and hardware support
- FTE role, 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
- Neutron networking SDN integration with Cisco hardware
- Security policies and enforcement in cloud native space
- Originally six month Contract with GDH, extended to 18 months

Pre-2015 Previous Employment Highlights

Teradata	Credit Suisse	Fidelity Investments
Lenovo	IBM	NC State University
Sprint Communications	Nortel Networks	PeopleFluent

Military Service:

1994-1998 US Army: XVIII Airborne Corps Fort Bragg, NC

3/229th 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

Aerospace Engineering - transferred to NCState after 9/11 and changed major

2002-2006 North Carolina State University Raleigh, NC

Political Science and Computer Programming minor