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Objective:

A highly motivated and technical individual seeks a position in the IT field.

Qualifications Brief:

- Well versed in the service provider, consulting, software, and financial service industries.
- Extensive experience supporting Linux (Redhat, Ubuntu, Debian, Suse), Microsoft Windows, and other operating systems (SPLAT, IPSO).
- Personally recognized for making contributions to several open-source projects (auditd, Snort, PreludeIDS, func, Django, Zenoss Community, and Openshift).
- Exceptionally good with IDS (HIDS and NIDS) technologies such as Snort (Sourcefire), Realsure (ISS), SNARE, and PreludeIDS.
- Heavily focused covering Oil and Gas super-majors from a technical sales perspective.
- Sold, planned, and delivered several PoCs related to O&G IoT and ML on Kubernetes.
- Capable of bench-marking, testing, and tuning Linux operating system components for high-performance applications.
- Experienced with Django web framework. Familiar with popular web design techniques. Capable of leveraging jQuery, AJAX, XML/JSON, websockets, and various messaging technologies (ActiveMQ, RabbitMQ, ZeroMQ) to enhance site functionality.
- Strong experience with Red Hat software such as Red Hat Cluster Suite (High-Availability), Red Hat Satellite Server/Proxy (Management), Red Hat Enterprise Virtualization Platform (KVM), OpenShift, Cloud Forms, JBoss, and Ansible.
- Expertly trained with penetration testing and vulnerability assessment tools such as Nessus and Retina.
- Very well versed with emerging Linux Container technologies (lxc, Docker, Kubernetes) and their subsystems (selinux, cgroups, kernel namespaces)
- Exhibits expert knowledge of the following software: Apache, Bind, Sendmail, Django, MySQL, Checkpoint, Kickstart, PXE, auditd, JMeter, SystemTap, gnuplot, iotzone, syslog-ng, LVM, Spacewalk, Nagios, Cacti, Zenoss, Nimbus, Prelude, SNARE, fluentd, and Splunk.
- Experienced with SAN, NAS, and DAS storage architectures using various technologies (Fiber-channel, iSCSI, NFS/CIFS, Infiniband, and RoCE).
- Knowledgeable of security best practice strategies such as defense-in-depth and regulatory compliance practices such as Sarbanes-Oxley, PCI, OATS, and HIPAA.
- Strong experience with managing and operating ultra-low-latency trading environments.
- Experience in planning and executing Disaster Recovery (DR) and Business Continuity Planning (BCP) projects.
- Strong python and microservices skill set.
- Experience designing and managing cloud platforms and associated technologies such as storage, virtualization, and customer portals.
- Well versed in blockchain and Crypto-currency technologies such as Bitcoin and Ethereum. Active miner and participant(client) in both networks.
- Extensive experience with Machine Learning technologies such as Tensorflow on Jupyterhub.

- Very experienced with integrating specialized GPU hardware with automated container platforms (like Openshift).

Certifications:

Red Hat Certified Engineer (**RHCE**)

Red Hat Certified Sales Associate

Microsoft Certified Systems Engineer (**MCSE**)

Cisco Certified Network Associate (**CCNA**)

Checkpoint Certified Security Expert (**CCSE**)

Professional History:

Some details may be limited due to Non-Disclosure Agreements

Sr Solution Architect (Container Specialist)

Red Hat, Inc

Houston, TX

08/2015 - Present

Currently working in the Technical Sales capacity as a Container SME (Openshift "Tiger Team").

Responsibilities include managing technical sales cycles for Red Hat Openshift Container Platform.

Routinely conduct product deep-dives, demos, and proof-of-concepts with Fortune 100s throughout North America.

Sr Solutions Architect (Energy Pod)

Red Hat, Inc

Houston, TX

03/2012 – 08/2015

Worked in a Technical Sales Capacity for the largest open-source software company in the world. Play a pivotal role in the Enterprise Sales organization.

- Awarded "Top Gun" in FY2014-Q1 and FY2014-Q2.
- Personally ran the sales cycles for several large cloud deals from start to close (both technical and business sides).
- Provided advanced technical and business consultative services during the pre-sales and post-sales cycles.
- Maintained solid relationships with customers (both technical and non-technical)
- Run the entire product Proof-of-concept engagements. From planning to implementation and hand-off.
- Lead technical expert in pre-sales qualification and responsible for the delivery of the technical design and overall solution.
- Gained advanced knowledge of the three cloud tiers (IaaS, PaaS, and SaaS).
- Very good and understanding LoB and "setting the cloud vision".
- Utilized Amazon AWS to conduct customer demos and PoCs. Mastered working with services such as EC2, VPC, EBS, and EIP.
- Responsible for the creation of proposals that address current and evolving client requirements.

- Also responsible for preparing and delivering presentations to technical and non-technical audiences.

DevOps Team Lead

Jump Trading, LLC

Chicago, IL

07/2010 – 03/2012

Worked as an automation/integration specialist and overall technologist for a leading global trading company. Primarily responsible for the rapid development of automation, integration, and support tool projects. Became an early committer on the 'func' project, which later became ansible.

- Utilized python development skills to automate tasks and integrate disparate systems.
 - o Wrote several tools for the technical operations team.
- Designed, wrote, and implemented a web-based trading operations portal in Django/Python.
 - o Leveraged advanced web development techniques for this project(AJAX/JQuery).
 - o Integrated several key infrastructure components into the portal.
 - o Wrote additional web apps and services to control the deployment of gateways and other trading components.
- Gained advanced knowledge of Financial Services and Ultra-Low-Latency trading environments.
- Wrote several tools to interface with various technologies. (Splunk, Zope, MS Web Services, memcache, CLIPS, Django, and several proprietary SOAP interfaces)
- Acted as a senior technical consultant, adviser, and mentor for other team members.
- Wrote several applications to automate compliance reporting (OATS).
 - o Gained intimate knowledge of exchange order flow while developing these reporting utilities.
- Wrote monitoring tools to monitor various trading platform components, including trade gateways, price feeds, and latency reporting.
- Acquired knowledge of alternative network technologies.
- Worked with trading groups and core infrastructure teams to gather requirements and assist in the development of several key trading components.
- Brought over several key concepts and technologies from the hosting industry to better trading operations.

Cloud Product Engineer

The Planet (now Softlayer-IBM)

Houston, TX

01/2010 – 07/2010

Was promoted to the Product Engineering team to evaluate, design, test, and document new or potentially new product offerings.

- Served as a key architecture and engineering resource on the "Server Cloud" and "Storage Cloud" product teams.
 - o Deployed shared storage and computing platforms for both products.
 - o Was responsible for stress testing, bench-marking, and performance tuning Linux KVM hosts and guests.
- Utilized kernel-level performance analysis tools such as SystemTap and collectd to baseline, test, and tune various Linux platform components.

- Utilized project management techniques such as SCRUM and Agile to accomplish goals and make product delivery deadlines.
- Routinely conducted project planning, cost analysis, and vendor comparisons.

Linux Architect

The Planet (now Softlayer IBM)

Houston, TX

11/2008 – 01/2010

Occupied two separate lead positions on the Managed Hosting team. Responsibilities included designing, deploying, and documenting internal and customer infrastructure as well as taking ownership of the enterprise monitoring environment.

- Played a crucial engineering role in developing the Virtualized Dedicated Server offering.
- Lead the Incident Response Team in charge of responding to customer Confiker worm (and variant) outbreaks. Rapidly deployed IDS sensors and penetration scanners for this purpose
- Acted as a Trusted Technology Advisor for many key clients including several in the Financial Service industry.
- Deployed, documented, and maintained Redhat Satellite Server and RHN Proxies for provisioning, patching, configuration management, and monitoring purposes. Later migrated all RHN infrastructures from version 4.7 to 5.3.
- Built and managed the enterprise monitoring environment which consisted of several commercial and open-source monitoring products.
- Worked daily with all customer support team elements (Systems, Database, and Network) to assist in resolving escalated customer issues.
- Wrote several python scripts to interface with various SOAP web services. Also wrote python scripts to provide log analysis and reporting data.
- Acted as the Project Lead, Design Architect, and QA Engineer for the Security Information Management project team. This SIM/SIEM solution provided centralized logging, change auditing, intrusion detection (NIDS, HIDS) for all customer and internal systems.

Consultant (sole proprietor)

ArrowGlance, LLC

04/2007 – 11/2008

Worked as an independent contractor for several clients in the Chicago, Denver, and Dallas areas.

Performed duties related to Linux or and Information Security disciplines.

- Built relationships with several high-profile clients while increasing customer base.
- Assisted with the project planning, cost analysis and vendor comparisons for several clients.
- Acted as a senior technical adviser or Security Expert for several customers.

Sr Linux Administrator (SA3)

Oracle Corporation

Austin, TX

08/2006 – 04/2007

Worked as a Senior Linux Engineer for the Internal Operations team. Responsibilities included provisioning, supporting, and documenting internal Oracle RAC systems.

- Lead several projects to redesign internal infrastructure (Monitoring, Patching, and Security).

- Worked with the internal database and middle-ware teams on a daily basis to meet their business and functional requirements.
- Gained knowledge of Oracle software such as RAC (9i, 10g), RMAN, and Fusion.
- Wrote many scripts (perl and python) still in use by operations to automate support and provisioning tasks.
- Took ownership of all security related issues on internal systems.
- Served as a technical adviser and mentor for junior team members.
- Acted as the lead engineer for supporting Oracle's MetaLink infrastructure.
- Implemented a home-grown kickstart/PXE solution for the semi-automated provisioning of Linux servers.
- Decommissioned the existing RHN infrastructure (Redhat Satellite Server and Proxies) and replaced them with custom YUM/HTTP repositories.

Lead Linux Tech

Rackspace Inc

San Antonio, TX

01/2006 - 08/2006

Worked as a Lead Linux Technician for the Managed Hosting line of business. Provided high-level technical support for all Linux customers.

- Acted as a senior technical advisor for all customer Linux teams.
- Assisted with customer relations by meeting with existing accounts, learning about their business, and providing recommendations on how to grow their infrastructure.
- Worked on internal project teams to assist with infrastructure capacity planning.
- Lead customer support and sales teams on advanced topics such as Redhat Cluster implementations and design.
- Implemented several Active-Active (LVS) and Active-Passive Redhat clusters for customers with high-availability(HA) requirements.
- Implemented private monitoring solutions for larger customers using Cacti, Nagios, Zenoss, and ntop.
- Supported all customer JBoss and Tomcat application servers.
- Wrote a custom JBoss (JMX Console) monitoring plug-in in Python.

Sr Security Analyst

LURHQ (now Dell SecureWorks)

Chicago, IL

03/2004 - 03/2006

Worked in the Security Operations Center as a Senior Security Analyst. Responsibilities embodied the management of all client firewalls (hundreds) spanning a wide range of technologies (Checkpoint, PIX, Netscreen, Iptables).

- Worked on a daily basis with customers to accommodate their security needs.
- Provided Information Security Consulting services to key financial industry customers in the Chicago area.
- Performed tasks such as implementing and supporting firewalls, intrusion detection systems, and vulnerability scanners.
- Acted as the technical lead for the firewall support team (Checkpoint NGX, Cisco PIX, and Iptables).

- Played a crucial role in developing the Payment Card Industry (PCI) compliance and vulnerability assessment offerings.
- Gained intimate knowledge of VPN technologies and concepts (IPSec and SSL).
- Analyzed POC code "in-the-wild" and developed IDS signatures based on such analysis.
 - Two signatures were accepted into the Snort project.
- Constant interaction with clients helped gain excellent customer service skills.
- Provided firewall and IDS/IPS support to Enterprise customers.
- Wrote and implemented several scripts to automate daily tasks for the operations center.
- Worked with internal developers to refine a home-grown SIEM application.

Systems Coordinator

Harris County Information Technology Center

Houston, TX

08/2001 - 03/2004

Provided Internet services in a provider environment for the various government entities of Harris County, Texas. Responsibilities embodied the management of all Internet related services including, DNS, web, email, VPN, and security.

- Successfully implemented and managed open source mail relays to route mail for all Harris County departments (~13,000 users).
- Lead the Redhat Satellite Server implementation project team.
- Assisted in effectively migrating from Exchange 5.5 to Exchange 2000 in a native mode.
- Successfully planned and migrated from a consolidated DNS structure to a split DNS structure (BIND).
- Managed all security infrastructure including IDS, IPS, Firewalls, and a SIM.
- Deployed and maintained Redhat Active/Active application clusters.
- Lead the technical side of the Disaster Recovery (Hot-Site) and BCP projects.

Network Analyst

Getronics

Houston, TX

06/1998 - 08/2001

Worked in conjunction with telecommunication carriers to troubleshoot issues. Responsibilities embodied the ability to identify, report, and resolve network related outages. Also provided support for WAN circuits (Frame-Relay) and attached Cisco routers.

- Utilized such tools as HP Openview NNM, SMS, Terminal Services, Hummingbird, Cisco Works for Windows, and Concord Network Health to support several international customers.
- Maintained standard operating procedures and associated network documentation.

Educational History:

8/2003 Checkpoint VPN-1/FW-1 Management NG I and II

7/2003 Executrain - RH302-RHCE Certification

9/2001 Austin Community College

9/1998 SMU School of Engineering