Axel K. Olmos

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[HTML Resume Link]

CRITICAL INFORMATION

Technology is my passion. Over 30 years of experience in engineering, creating, upgrading, and maintaining networked computing environments. I'm a one person Linux / UNIX IT department capable of self-supervised work. Engineering, Automation, Alarming, Administration, Programming, Security, Backups. I do whatever it takes to make your environment efficient, secure, and reliable.

U.C. Berkeley Degreed Computer Engineer, Red Hat Certified Engineer (2005-2014).

Expert problem solver. Excellent written / verbal communication skills. Customer Service personality. Works well in a crisis.

U.S. Citizen, born in Berkeley, CA. Vaccinated and boosted.

TECHNOLOGIES

Operating Systems:	CentOS 5,6,7,8,9, Stream / Fedora / Red Hat Linux / Alma / Rocky, other Linux variants such as Ubuntu. Solaris / UNIX.
Backups:	Rubrik, Relax and Recover, CommVault
Cloud:	AWS, GCP
Clustering:	Redis / ElasticSearch / Logstash / Kibana / Hadoop / GlusterFS / Ceph / oVirt
OS Install:	iPXE, KickStart, Terraform, cloud-config
Monitoring / Alarming:	Nagios and Pushover, Greenbone Security Manager
Performance Analysis:	Author of PumpedUp
Programming Languages:	Bourne / Korn / C Shells, Perl, Mojolicious, C, JavaScript, SQL.
Initialism / Acronyms:	Apache / DNS / HAProxy / HTTPS / KeepAlived / NIS / NFS / NTP / RAID / rsync / SMTP / SNTP / SQUID / SSH / TCP/IP
Virtualization:	KVM, oVirt, VMware
Visualization:	Grafana / Prometheus

OBJECTIVE

A position that uses my engineering skills to create and maintain Open-Source technology solutions. I have a home office setup with servers and redundant power / Internet that is ideal for remote employment. I am only available for hybrid / in-person jobs in a 25-minute commute radius from Oakland, CA and cannot relocate to other cities.

EDUCATION

University of California at Berkeley College of Engineering *B.S. Electrical Engineering and Computer Science*
Specialized in Computer Science. Minored in English.

CERTIFICATION

Red Hat Certified Engineer (RHCE) / Red Hat Certified System Administrator (RHCSA)
TechieGold Unix Administration (Solaris) Master's Certified #3053185

EXPERIENCE

3/2022 –   Agiloft, Redwood City, California (Fully Remote)

Senior Linux System Administrator / Principal Site Reliability Engineer: Engineered and administered the servers which provide Agiloft's Software as a Service, as well as associated Linux infrastructure both on premises and in the Cloud at AWS. These servers needed to meet SOC1 / SOC2 / ISO 27001 / FedRAMP compliance and be secure. I wrote Terraform / Bash automation to create AWS servers, including Aurora MySQL and Postgres Database Clusters (including replication), Ceph Cluster, ProxySQL, PumpedUp / Jmeter Benchmarking, and Nagios server with PagerDuty. I wrote a Prometheus exporter in Python for Nagios alarms written in Bash and the automation to get the Cognizer AI project built and into production. I provided the SOC1 / ISO27001 audit responses resulting in passing both certifications.

1/2022 - 3/2022   *Delta Dental,* Oakland, California (Fully Remote)

Systems Engineer III (Contract): Responsible for maintaining RedHat Enterprise LINUX (RHEL) in pre-production, production and disaster recovery environments hosted on premise and in Azure Cloud. Responsible for enterprise level designing, planning, implementing, and supporting LINUX/UNIX systems in a highly collaborative and fast paced environment. Duties include identifying and correcting performance issues, and providing support to applications developers, infrastructure teams, DevOps, and end users. Involved in designing automated solutions, process improvement, server provisioning, Capacity and Performance Management, performance monitoring, software installations, technical assistance, server security management, hardware recommendations and procurement.

11/2021 - 12/2021   *Cutler Group, LP,* San Francisco (Fully Remote)

Systems Engineer: Administration of Ubuntu Linux servers running on HPE hardware. Created iPXE server to do fully automated installation of Ubuntu 20, Icinga2, Hadoop Cluster, HPE SPP firmware updates, HPE Scripting Toolkit. Installed and configured ILO Amplifier Pack on VMware. Created automated PDU configuration expect scripts. Created Confluence documentation and Jira trouble tickets. Beginner level Ansible AWX administration and Git / GitLab usage.

9/2004 – 10/2021   *Group One Trading LP,* New York / Chicago / San Francisco (Fully Remote)

Director Linux / UNIX Systems: Responsible for specification, purchase, creation, and maintenance of all Linux / UNIX servers at Group One Trading. Systems under my authority were CentOS Stream / CentOS 8 / Red Hat HP servers and desktops running mission critical options trading software across multiple data centers. Created and maintained completely automated installation, configuration, back-up, and recovery of all Linux systems. Monitored Linux and Windows systems and services, Cisco networking equipment, UPS/PDU, security, patching, etc. 24x7 via Nagios and Pushover greatly increasing the reliability and stability of the entire firm. Created Kickstart infrastructure for hands-off builds of servers including Ansible, e-mail, GIT, Squid, ElasticSearch Cluster, Logstash, Grafana / Prometheus, Kibana, Redis, DMZ, etc. Implemented backups utilizing custom written software as well as Rubrik, Relax and Recover, CommVault. Created HAProxy Squid servers to allow for monitored, fault tolerant corporate web access. Inherited development of internal Human Resources web site written in Perl / Mojolicious / SQL and augmented it with self-creating Org Charts and Employee Directories including contacts for Android / iPhones. Automated complex migration of Sun Solaris Informix DB server to HP Proliant DL580 Red Hat Linux server and solved Informix performance problem

which hindered Group One. Created Linux Remote Head trading desktops used by traders on the floor with 16 monitors using Active Directory for authentication. Used Virtual Machines via KVM / oVirt where appropriate to reduce our hardware footprint. Reengineered Cat 6A network cabinet layout and cabling during server room migration to eliminate wiring errors. Hired and trained Jr. staff.

8/97 - 8/04   *Verizon Wireless*, Walnut Creek, California

Team Lead UNIX Administrator: Project Technical Lead responsible for Walnut Creek datacenter. Engineered, installed, and administrated production High Availability (HA) Sun Enterprise servers. Implemented two-way SMS, followed by a multi-million-dollar enterprise-wide Oracle billing system both on Sun Hardware. Installed, configured, and was responsible for high availability Cisco 6500, Local Director, Sun, and Netra T1 hardware. Lead team of 5 other Senior Administrators. Implemented vzwnss.com DNS domain. Recruited, interviewed, and hired Sr. UNIX Administrators for my group. Responsible for 53 production, 24 X 7, mission critical HA servers. In 2003, began administering Red Hat Linux Servers running AS 2.1, AS 3.0, 9.X. Configured KickStart, attached to SAN, configured LVM, Multipath, etc.

3/97 - 8/97	*Providian Bancorp*, San Francisco, California	**Senior UNIX Administrator**
11/96 - 2/97	*Charles Schwab*, San Francisco, California	**Change Mgmt. Administrator**
2/96 - 10/96	*Industrial Indemnity*, San Francisco, California	**Central Systems Administrator**
10/95 - 2/96	*Kenetech Windpower*, Livermore, California	**Senior UNIX Administrator**
6/95 - 10/95	*Sun Microsystems*, San Francisco, California	**Systems Engineer**
11/94 - 6/95	*Charles Schwab*, San Francisco, California	**Senior UNIX Administrator**
3/94 - 11/94	*Cirrus Logic, Fremont, California*	**UNIX Administrator**
6/92 - 3/94	*Center for EUV Astrophysics, U.C. Berkeley*	**Programmer/Analyst**
6/91 - 8/91	*Continuing Education of the Bar, U.C. Berkeley*	**Software Assistant I**
6/88 - 8/88	*Chevron Corporation, San Ramon, California*	**Computer Operator**