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| Objective: | Increase company’s productivity through efficient and professional team, security, operations, and automation management. |
| Employment: | * Multiplan Inc, UNIX support manager, 7.5 years
* O’Leary Computers Inc, Consultant, 15 years
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Team/personnel management:

* Reformed previously mismanaged group from open, internal conflict to highly effective, high performing and cohesive team.
* Managed systems started ~ 350 virtual and physical hosts, supported by 5 member team; currently over 2,400 systems managed by 4 member team.
* Mentored/coached low performers to achieve their potential.
* Documented, drafted, and automated all standard processes and procedures.
* Documented, drafted, and executed all security policies, standards, and procedures for hitrust, sox, and other security audits.
* Supported diverse application teams including oracle dbas and middleware.

Company impact:

* MySQL db for UNIX support/asset management:
	+ Replaced old, proprietary wiki in favor of RDBMS. Less error prone, easier to manage.
	+ Became the cornerstone of all team’s processes and procedures including reporting, patching, configuration management, and security.
	+ Replicated across 3 data centers to ensure availability and redundancy.
	+ Recently migrated to mariadb (multi-master) in kubernetes to reduce db complexity and increased availability.
* Patching:
	+ Introduced the concept of routine, regular patching to MPI moving from paradigm of “don’t patch unless it’s broke” to quarterly patching process following standard SDLC cycle.
	+ UNIX team success prompted other teams (windows, dbas, middleware) to follow suit.
	+ Fully adopted/accepted patching process was a key component to hitrust certification on first attempt.
* Configuration management (puppet)
	+ Took over mismanaged puppet enterprise roll-out that wasted $500,000 over 3 years with no ROI by implementing open source puppet in a week.
	+ Home grown/forge modules provided consistent, standard system configurations increasing system reliability and decreasing support ticket counts and outages.
	+ Standardized configurations and enforcement are another key contributing factor in hitrust certification and sox audits as well as the key force multiplier enabling us to increase system count 800% with reduced head count and lowest support ticket counts.
	+ Wrote external node classifier to use the previously mentioned MySQL db as single source of truth making configuration decisions and modules significantly easier.

Company impact (cont):

* Task/process/configuration automation (ansible)
	+ Introduced ansible to MPI coaching multiple individuals and teams in writing its use.
	+ Wrote dynamic inventory script using previously mentioned MySQL db to make inventory management straightforward and consistent across teams.
	+ In the process of converting puppet modules/management to ansible playbooks/roles.
	+ Introduced AWX (open source ansible tower) running on kubernetes, and am in the process of implementing team/business process automation.
	+ Wrote dozens of playbooks automating tasks such as ell6/el7 migration, DR initiation, etc.
* Version control (git) for UNIX support team
	+ Introduced/implemented Infastructure as code before that was a paradigm.
	+ Using gitolite to replicate git repositories across multiple datacenters.
	+ Repositories include all scripts and documentation, gpg encrypted passwords, puppet modules, and ansible playbooks.
* Kubernetes (k8s)/rancher:
	+ Recognizing the security impact of standalone docker in production, I took over a slow moving k8s POC project creating 5 k8s operations ready k8s clusters managed by rancher in 4 months.
	+ Developed, documented, and automated processes/procedures for k8s installation, upgrade, and patching.
	+ Facilitating k8s adoption and the advent of devsecops at MPI.
	+ Worked with appdev teams to implement multiple machine learning deployments and am working on a variety of POC projects.
	+ Converted MySQL db to k8s based mariadb and deployed AWX in k8s to support IT goals and processes.

Automation:

* puppet external node classifier originally in perl, converted to python.
* ansible dynamic inventory script in python.
* ldap wrapper script originally in perl, converted to python, to handle ldap/ldif intricacies enabling people not sufficiently knowledgeable with ldap to maintain the directory.
* cmdb script in perl to handle MySQL db CRUD operations.
* wldomain script in perl to display information from weblogic config.xml files in a readable method. Became the basis for many ansible/python modules..
* Modular bash scripts to handle audit data collection. Admin selects which audit type and functions to execute and the script collects data from in-scope systems, recording checksums to ensure data integrity. Results in a gzip file ready to be uploaded to aauditors’ choice of tools. Reduces data collection days and sometimes weeks to less than an hour.
* Dozens of ansible playbooks to handle repeated tasks.

Miscellaneous:

* Current security certifications: CISSP, CISA, CCSK, and CCSP
* Current cloud certifications: Azure Admin/Solutions architect (expert), AWS Sysops Admin
* Expired certifications include RHCE (v5 and 6), OCP, HPUX, and Solaris.