Reginald Stuart II
Oracle Cloud Architect & VMware API Programmer
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Objective: To grow in OCI, VMware and Python

Certifications: Oracle Cloud Architect Associate 2020

Experience: Over 15 years experience as a systems engineer

VMware Infrastructure Management
October 2023 - current   Catonsville, Maryland
Brought onboard to support the Systems Engineering group which is migrating from Dell R-series servers to VxRail HCI hardware. Upgraded Dell iDrac remote access controllers and configured them for SNMP monitoring by external hardware service provider. Collect files from a variety of sources and extract useful data using Python, its pandas module and generic shell.   Had our TAM create a custom cost dashboard from which I extracted and presented interesting data points. Using VMware Aria Operations and Log Insight on a daily basis to monitor and manage the environment. Using Python SDK to interface with vSphere API. Initial purpose is to collect information about disk capacity of the guest OSs; curl/REST might be preferable to the Python SDK interface in some use cases.   Difficult to ascertain the number of production servers as Qualys reports one number, Solarwinds another, and then there is the actual number of running VMs. Mixed environment of VMs and bare metal servers. Currently rolling out vRealize/Aria Log Insight agent to all the production servers, a mix of Windows 10 and Linux machines using Microsoft SCCM.   Over a million objects in AD. Upgraded Exchange servers.   Made recommendations for patches/upgrades based on analysis of Qualys scans.   Compose shell scripts to ease workload. Change control submitted to deploy ccmcache clearing script.

Network Manager & Data Scientist
March 2020 – October 2023   Maryland, DC
Managed a network of win10/11 and UNIX/Linux machines. Wrote shell scripts to backup data to servers in Oracle Cloud. Wrote scripts to replicate the data to buckets using oci cli. Analyzed real estate market data for clients: ETL on MLS data sets (sale price, asking price, # of square feet, tax data, etc.) and performed tailored analysis using python and Excel for the final presentation. Neighborhood statistics were also analyzed (crime rates & type, median income, etc.).   Jupyter Lab and IDLE were used as development tools.   The analytics provided guidance for business decisions, including the purchase and sale of property. Wrote python scripts to connect to Oracle cloud databases for analytics and graph generation. Saved cx_Oracle scripts on github for use as templates for other projects.

English Teacher
2010 – 2020   Madrid, Spain
Taught adults and children how to speak, read and write the English language while residing in a foreign country.

Aquatic Activities Supervisor
2005 - 2010   Key Largo, FL
Left IT to address some family concerns in Florida and found new employment teaching SCUBA diving and driving large power boats.

Systems and Network Manager
1994 – 2005   Washington, DC
Worked in IT as a government contractor managing Oracle software running on Sun hardware and data center/ WAN networks. The work gave me the foundation needed to earn a cloud computing certificate fifteen years later. The paper that defined cloud computing was written in 2011 and can be found here: NIST SP 800-145, The NIST Definition of Cloud Computing . Saw a lot. Learned a lot. Built a lot. Able to produce Sun certifications from this time period.