**Perry Wang**

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### PROFESSIONAL SUMMARY

* Design, Architect, deploy and Orchestrate Kubernetes Clusters in The Hybrid(On-Prem and Public) and

Multi-cloud(AWS/GCP) Environment with Terraform/Ansible in an automated and efficient manner.

* Maintain and Manage Hybrid and Multi-cloud Kubernetes Environment via Anthos Uniform Dashboard.
* Automatically Migrate V2K(Applications running on-Prem VMWare to GKE with GCP Config Connector.
* Hands on IaC(Terraform and Ansible) with Jenkins Pipeline in Automation Deployment.
* Research open source technologies to upgrade existing Automation toolsets and Applications.
* Design and Deploy of CI/CD Framework with Github, Bitbucket, Jenkins and Nexus.
* HA Build/Admin (VMWare/Datastore/PCS) in Docker/ESXi/Linux platforms.
* Experience with Performance Metrics and Continue Monitoring(Prometheus/Zenoss).

**SKILLS:**

Platform: Docker, vSphere5&6, RHEL6&7, ESXi

Storage: Datastore, EMC(VMAX/DMX), Hitachi(VSP/HUR)

Languages: Python, Java Script, Bash

Databases: postgreSQL, Nosql, OpenTSdb

**EDUCATION:** Ph.D. In Engineering: 1991-1995, NYU Engineering School, New York

**EXPERIENCE:**

11/19 -Current  Sr. Cloud Engineer（Consultant: HSBC, 545 Washington Blvd. **Jersey City**, **NJ** 07310）

* Design, Architect, deploy and Orchestrate Kubernetes Cluster On-Prem and Multicloud Environment;
* **Deploy Uniform Dashboard for Kubernetes Cluster to Enable management Consistency Across Multiple and hybrid cloud via Addon Anthos;**
* Migrate Application from on-Prem VMWare to Kubernetes Cluster Containers with Anthos Connector **;**
* Enhance security with OIDC(OpenID connect) Implementation for User Automation;
* Apply istio for service mesh monitoring, traffic control, internal Security management;
* Test Harness for Kubernetes Build Phases, Service Mesh(Istio) and Script via Github Shunit2;
* Deploy IaC via Terraform integrated with Jenkins for EKS, GKE and vSphere VM;
* **Maintain and upgrade Devops Toolset**(Github), **Jenkins, maven and Nexus/Harbor for docker Images;**
* Manage continue monitoring and Integration with Prometheus/ELK/Grafana;
* Tune Cloud Platform Performance: Kubernetes Cluster, VPC, vCenter, ESXi Datastore;
* Develop, maintain and enhance pre and post build existing scripts **(Bash and Python)**;
* Experience with JIRA / Confluence for Project Management.

11/16 - 10/19  Sr. Cloud Engineer（Consultant: NYC Gov, MetroTech 15, Brooklyn ）

* Deploy scalable, fault-tolerant applications in Docker(UCP-mirantis) and Kubernetes Cluster;
* Orchestrate Cloud platforms(AWS ECS/GCP GKE) and native Applications with Terraform/Ansible;
* Collaborate with cross-functional teams of developers, system, network, storage to understand product requirements and translate them into automated solutions;
* Migrate Application from VMWare to Docker/Kubernetes Cluster Container environment**;**
* Level III Support of Variety Clusters(Docker/VMWareHA/vSphere Datastore/PCS);
* Manage continue monitoring and Integration with Jira/Splunk/CMDB;
* Develop, maintain and enhance pre and post build existing scripts (Shell and Python);
* Configure VMWare/vSphere ESXi server, SAN and Upstream for Kubernetes Datastore ;
* Cloud Platform Performance Tuning, VMWare DRS, Storage DRS, Datastore(from Hitachi);
* Database Query(OpenTSdb/postgre/MySQL) for debug CI/CD Process.

10/13 - 10/16 Sr. DevOps Engineer（Consultant, Alliance/JP Morgan Chase, 1345 Ave. of America, NYC）

* Participate in IaaS/PaaS/SaaS Design and Implementation(three year Project);
* Architect, design, develop, and maintain automation frameworks and CI/CD Pipeline with

Github, Jenkins, Maven and Nexus Binary Repo for IaaS and Azure Migration;

* Research open source technologies to update Automation toolsets and processes
* IaC(Infrastructure as Code) Implementation and Orchestration with Puppet, Stash, Jenkins and r10k;
* Level III Support of Cluster(VCS/RAC/VMWareHA/Hadoop) and DR;
* Performance Tuning, VMWare DRS, Storage DRS, EVC, Kernel bypass;
* Cloud(private and AWS -EC2) Massive Provisioning via Puppet/Openstack/Ansible;
* VMWare/vSphere Hyper/Guest Administration, NSX, vMotion/VM cloning, VMC on AWS;
* Database Query(OpenTSdb/postgre/MySQL/Mongodb).

05/12 –09/13 Sr. Linux /Unix Administrator and Programmer （Consultant Bank of America）

* Level III Support of production system in a large global Bank/Market environment;
* Participate in Data Center Migration from MerrillLynch to Bank of America;
* Storage Migration and Upgrade from IBM/DMX/STK/Clarrion to VMAX via symclone,

Open Replicator etc;

* NAS/SAN Management, Multipath/Solution Enabler/Powerpath/MPxIO/HBA Drivers;
* System performance Tuning, lowering latency, NIS, DNS Sendmail, Automount, Samba etc;
* Disk Logical Volume managemt via VXVM, SVM, LVM and HP smart array;

11/04 – 04/12 Sr. Linux /Unix Administrator RBS(Royal Bank of Scotland), Park Ave. 350, NY

* Support production system in a large global Bank/Market environment;
* Manage Projects: Data Center Migration; OS Upgrade from solaris 08, 09 to 10 for all Utility/DB/WEB/App. servers; Annual Disaster Recover Simulation Via SRDF operation; Storage upgrade from Symmetrix to DMX, Migrate file server from VCS to Netapp etc:
* Simulate Disaster recovery Via SRDF and Veritas for all utility, database, WEB and App. servers;
* Restore service under high pressure after disaster happened based on Cluster setup and SRDF

function - Reestablish ;

* Upgrade EMC Storage from symmetrix to DMX; Zone/mask devices, configure switches –

Mcdata, Cisco and Brocade, zone and mask storage devices;

* Code scripts in Bourne shell, ksh and Perl to automate system/storage admin, such as SAN

11/95 – 10/04 Programmer/SA, Depository Trust & Clearing Corp. (DTCC), 55 Water Street, New York

* Design and Implement Sun Cluster version 1.0, 2.2 and 3.0 running Solaris 2.6 and 2.8 with

Shared Storage, install and configure cluster software, cluster volume manager.

* Manage project, such as HA solution, Autosys application, Service Center etc.
* Participate in E10K Cluster 2.2 setup, including SSP (system service processor), domain planning, OPS (Oracle Parallel Server) with Large scale storage.
* Configure SAN for SUN storages D1000, A5x00, EMC Symmetrix 8340, Powerpath, SRDF BCV.
* Maintain disk space via Veritas Volume Manager, VxFS in Cluster Nodes.
* Tune system kernel, network and Performance via Measureware and PerfView, Load Runner;
* Develop scripts in Bourne shell, ksh, Perl and TCL to automate tasks, such as page/email

program in ksh, Cronjobs in Perl and trouble Ticket process in TCL etc.