JARRED K. HUNTER

BIRMINGHAM, AL

E-MAIL: JARREDHUNTER6@GMAIL.COM

**TECHNICAL SKILLS**

* **AWS: EC2, S3, Systems Manager, IAM, ELB, VPC, CloudWatch, SNS, EKS**
* **Azure/Office 365 Cloud Administration**
* **Configuration Management**
  + **Ansible**
  + **Chef**
  + **Puppet**
* **Terraform**
* **Docker**
* **Kubernetes**
* **Jenkins**
* **Linux Administration**
* **Git, GitHub and GitLab**
* **Atlassian Jira**
* **PowerShell and Bash Scripting**
* **Windows Server 2008/2012/2016 Administration**
* **SQL Server 2008/2012/2014 and MySQL Database Administration**
* **VMware vSphere Administration 5/6**
* **VMWare Horizon Administration**
* **SAN and Disk Management**

**EDUCATION**

* **Bachelor of Science in Information Systems. University of Alabama-Birmingham, Birmingham, AL (2010)**
* **Bachelor of Science in Business Management. University of Alabama-Birmingham, Birmingham,** **AL (2008)**

**WORK EXPERIENCE**

**Confidential**

SysOps Administrator 3

October 2019 – Present

* Infrastructure technical lead during the deployment of a highly available and scalable app, FileNet P8, to the AWS Elastic Kubernetes Service (EKS) environment.
* Deployment of Kubernetes clusters; Management of Kubernetes manifests, managed releases and Helm charts.
* Responsible for the deployment of the Kubernetes control planes and nodes to clusters
* Responsible for creating Kubernetes services which provide high availability access to those pods
* Scaling microservices - gathering requirements to determine the correct amount replicas and resources necessary to maintain a highly available application stack
* Configuration of parameters required for self-healing states
* Responsible for performing rolling updates for applications within Kubernetes
* Creation of persistent storage for Kubernetes pods
* Responsible for the upgrades of Kubernetes clusters
* Troubleshooting failed deployments and pods within Kubernetes
* Responsible for planning, design, deployment, growth adaptation and compliance of an enterprise AWS infrastructure which consists of 6 environments and over 2600+ cloud instances
* Ability to design and manage cloud based solutions which deliver the required performance, scalability and security requirements.
* Hands on experience and expertise of EC2, S3, Systems Manager, IAM, ELB, SNS, Route 53, CloudWatch, Cloud Formation and Auto-scaling.
* Responsible for the implementation of an AWS patching process and procedures for the entire cloud infrastructure. Components of the established solution: Research, Proof of Concept, implementation of an automated patching process within maintenance windows and the deployment of SSM agents (via Ansible) to 1600+ on-prem RHEL servers which effectively created a hybrid patching solution.
* Utilization of SNS to alert Infrastructure and Dev teams during patching phases.
* Utilization of AWS tagging to manage app stacks and environment for EC2 instances
* Utilization of Terraform, CloudFormation and Jenkins pipelines to deploy EC2 instances, S3 Storage and EKS clusters.
* Authored custom AWS Automation Documents (Playbooks)
* Utilization of Ansible and Jenkins pipelines to configure and deploy on-prem RHEL VMs via playbooks.
* Responsible for the management of Ansible inventory files and playbooks via GitLab repos
* Utilized Jira for Sprints which consisted of daily standup meetings across functional teams. Delivered assigned tasks, on-time and tracked progress with a Kanban board.
* Configuration of CloudWatch to monitor, alarm and Auto-scale application stacks

**University of Alabama at Birmingham – Birmingham AL**

DevOps Engineer

June 2018 – Oct 2019

* Installation, configuration and System Administration of RHEL and CentOS hosts
* Configuration and troubleshooting of network services such as FTP, Telnet, SSH
* TCP/IP Network configuration
* Deployment and utilization of configuration management tools
* Managing package repos
* Implementation and management of SendMail, ListServ and Postfix
* Data migration via rsync, scp, etc
* Bash scripting for automated log collection, installs, maintenance and monitoring
* Troubleshooting service/server interruptions and determining incident root causes
* Responsible for the architecture, design and support of cloud-based instances
* Administration of AWS IAM, Security Groups, NACLs, Internet Gateways and Route Tables to ensure a secure cloud infrastructure
* Configuration of Application Load Balancing across multiple EC2 instances and availability zones to provide cost efficient, fault tolerant and highly available applications
* Responsible for the configuration of Auto-Scaling Groups, Policies and Launch Templates
* Creation of Cloudwatch alerts for instances and implementing alert actions into Auto-scaling launch configurations
* Creation of and management of subscriptions to SNS topics
* Deployment and policy configuration of S3 Buckets along with the configuration of SNS push notifications for deployed S3 Buckets
* Responsible for management and automated deployment of nodes for multiple environments via Chef.
* Responsible for management and creation of Chef custom cookbooks, recipes and runlists.
* Standardization of Chef metadata and versioning within environments.
* Utilization of Ansible to implement node configuration, app installations and updates
* Development of Ansible Playbooks
* Utilization of Ansible tags and include statements to increase efficiency of playbook deployments.
* Installation, configuration and management of Jenkins master/slave nodes
* Development of Jenkin scripts for build, deployment and maintenance tasks
* Deployment of Docker containers: leverage of existing Linux containers and creation of custom images
* Development and management of Dockerfiles
* Utilized Kubernetes to orchestrate the deployment, scaling and management of Docker containers.
* Implemented a production ready, load balanced, highly available and fault tolerant Kubernetes infrastructure.
* Developed custom PowerShell scripts to automate tasks such as Remote Server Active Directory Administration and O365 Distribution list to O365 Group conversions
* Utilization of SolarWinds, CloudWatch and Splunk for application monitoring and logging.
* Creation of application performance baseline metrics and implementation of alerts

**Altec Inc. – Birmingham, AL**

Systems Architect/ SQL DBA

August 2015 – June 2018

* Primary role: Windows Server/SQL Database Administration for the Siemens Teamcenter Product Lifecycle Management system: **Teamcenter is a Platform that houses multiple capabilities in a single, seamless piece of software which CAD designers use to create, modify and deploy designs to manufacturer assemblies. This platform is scalable to suit the requirements for each organization that implements the platform.**
* Primary technical lead during the enterprise wide PLM software upgrades. This includes: ensuring that the hardware matched or exceeded technical requirements, pricing/ordering, installation of hardware and software licensing, deployment and testing.
* Utilization of SolarWinds to monitor Test, Dev and Production Teamcenter environments to ensure that the application’s performance is at optimal levels.
* Delivery of the infrastructure solution includes a variety of skills including infrastructure architecture; hands-on build-out and configuration of the infrastructure, as well as project technical lead ensuring projects are delivered within scope and on-time.
* Preparation of training and system documentation. Duties included but not limited to: documentation/revision of system design procedures, testing then implementing procedures and assurance that quality standards are maintained.
* 24/7 support of enterprise critical production servers.
* Responsible for conducting research, proof of concept and negotiating pricing structure for current and future implementations.
* Contributing to system wide change management and incident tracking. Provide incident response reporting (and total downtime metrics) directly to the CIO.

**VMware vSphere**

* Deployment of ESXi onto Cisco UCS and Dell hosts
* Deployment and management of Windows Server and Linux VMs (300+) in production, testing and training environments
* Management of Datacenters and cluster groups.
* Management and deployment of VM templates
* Patching and updating ESXi hosts and VMs.
* Configuration and utilization of vMotion during patching procedures.
* Configuration of local and SAN storage connectivity to hosts.
* Migration of datastores with the utilization of storage vMotion.
* Utilization of PowerCLI for host, snapshot and VM monitoring/management.
* Configuration of security policies and SSO.
* Management of virtual machine snapshots.
* Back up and restoration virtual machines.

**VMWare Horizon (View)**

* Design, Configuration and Implementation of Horizon in a production environment
* Staging and deployment of virtual desktop clients VMs
* Responsible for assigning users to specific clients and Pool access
* Client template patching and management
* Optimization of host configuration for best performance

**SAN Storage**

* Creation of Storage Pools.
* Adding disks to Storage Pools.
* Creation and management of SAN snapshots.
* Creation of LUNs.
* SAN migration of LUNs among Storage Pools for the purpose or replication.

**Cisco UCS**

* Installation of hardware chassis at data center.
* Gathering of requirements and order procurement of required hardware.
* Replacement of failed disks for chassis UCS servers.
* Configuration of connectors to storage devices (SAN).
* Deployment and management of hardware templates and service profiles for host.

**Microsoft SQL Server**

* Deployment/Configuration of SQL databases in Production, Training and Dev environments.
* Management of Production database backups.
* Disaster recovery/restoration of databases from backups.
* Migration of databases during software upgrades to and from Test, Dev, Training and Production environments.
* Deployment and management of maintenance plans.
* Management of SQL Server alerts and operators.
* Management of SAN and disk partitioning for SQL instance volumes.
* Security management for users in a mixed mode environment.
* Analyzing execution plans to ensure query efficiency.
* Documentation of knowledge base for deployment and configuration standardization.
* 24/7 on call support for Production databases.

**Nelson Brothers Inc. – Birmingham, AL**

Systems Administrator/DBA Admin

December 2010 – August 2015

* Delivery of resolution of issues ranging from level 1 to level 3.
* Inventory management and providing technical support for a mid-sized corporation.

**SQL Server**

* Deployment of MS SQL Server instances
* Responsible for backups and DR of production databases
* Security management for users in a mixed mode environment
* Performance monitoring, tuning and optimization of SQL Server instances

**VMware vSphere**

* Installing and configuring ESXi hosts
* Installing and configuring the vCenter Server
* Creation, maintenance and management of VM templates.
* Creation and deployment of VMs to vSphere environments.
* Implementation of Fault Tolerance and HA.
* Determining host and network baseline requirements needed for vMotion.
* Cloning and migration of VMs via vMotion

**Server 2008/2012 Responsibilities:**

* Installation and configuration of Server 2008 & Server 2012 in production and testing environments. Assignment of necessary Roles, Features and Services for each server.
* Management of infrastructure Domain Controller(s) and replication.

**Active Directory Management/Support**

* Creation of AD objects including Organizational Units, Groups, Users and Computers.
* Security and ACL permissions for OUs, Groups, Users and Computers.
* Password Resets for Active Directory accounts.
* Implementation of Group Policy.
* Creation and deployment Group Policy Objects.
* Managing Group Policy Scope.
* Security management of the ACL for all internal server network file shares.
* Use of PowerShell for automation of task and procurement of server monitoring reports.

**Microsoft Exchange Responsibilities:**

* Installation and configuration of Exchange 2010 Servers.
* Configuration of Exchange 2010 Client Access/Mailbox/Hub/Edge Transport protocols.
* Exchange and Active Directory user account creation and management.
* Monitoring and reporting of databases, mail flow and client connectivity.

**General Skills/Responsibilities:**

* Support of mobile devices. Including syncing devices to MS Exchange (iOS, Droid, BB).
* Responsible for staging of machines, managing hardware inventory and software volume licensing.
* Knowledge of SAN management
* Implementation and management of backup software, CrashPlan throughout the enterprise.
* Enterprise roll-out of Windows 7, 8.1 and Office Suite 2013.